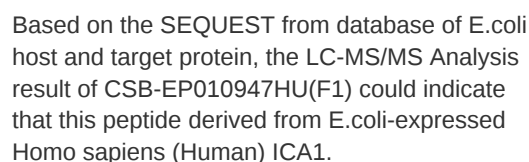
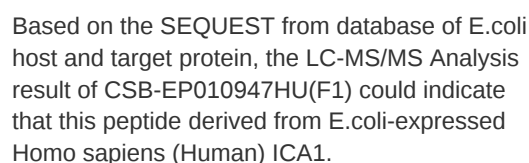
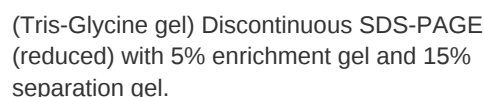




# Recombinant Human Islet cell autoantigen 1 (ICA1)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP010947HU(F1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Relevance</b>         | May play a role in neurotransmitter secretion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Abbreviation</b>      | Recombinant Human ICA1 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                        |
| <b>Uniprot No.</b>       | Q05084                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Alias</b>             | 69 kDa islet cell autoantigen Short name: ICA69 Islet cell autoantigen p69 Short name: ICAp69 Short name: p69                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>            | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>          | MSGHKCYPWDLQDRYAQDKSVVNKMQQKYWETKQAFIKATGKKKEDEHVVAS<br>DADLDAKLELFHSIQRTCLDL SKAIVLYQKRICFLSQEENELGKFLRSQGFQDK<br>TRAGKMMQATGKALCFSSQQLALRNPLCRFHQEVETFRHRAISDTWLTVNR<br>MEQCRTEYRGALLWMKDVSQELDPDLYKQMEKFRKVQTQVRLAKKNFDKLLK<br>MDVCQKVDLLGASRCNLLSHMLATYQTTLHFWEKTSHTMAAIHESFKGYQP<br>YEFTTLKSLQDPMKKLVEKEEKKKINQQESTDAAVQEPSQLISLEENQRKESS<br>SFKTEDGKSILSALDKGSTHTACSGPIDELLDKSEEGACLG PVAGTPEPEGA<br>DKDDL LLLSEIFNASSLEEGEFSKEWAAVFGDGQVKEPVPTMALGEPDPAQT<br>GSGFLPSQLLDQNMKDLQASLQEPAKAASDLTAWFSLFADLDPLSNPDAVGK<br>TDKEHELLNA |
| <b>Research Area</b>     | Neuroscience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Target Names</b>      | ICA1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Names</b>     | 69KDA islet cell autoantigen Short name: ICA69 Islet cell autoantigen p69 Short name: ICAp69 Short name: p69                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Expression Region</b> | 1-482aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Tag Info</b>          | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Mol. Weight</b>       | 60.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Length</b>    | Full Length of Isoform 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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