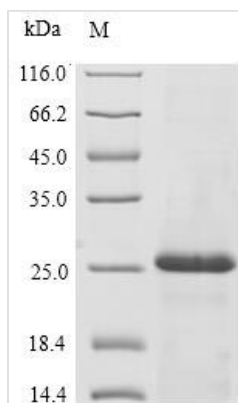




# Recombinant Human Immunoglobulin J chain (JCHAIN)

|                          |                                                                                                                                                                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP011337HU                                                                                                                                                                                                                                                                  |
| <b>Relevance</b>         | Serves to link two monomer units of either IgM or IgA. In the case of IgM, the J chain-joined dimer is a nucleating unit for the IgM pentamer, and in the case of IgA it induces larger polymers. It also help to bind these immunoglobulins to secretory component.            |
| <b>Abbreviation</b>      | Recombinant Human JCHAIN 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>       | P01591                                                                                                                                                                                                                                                                          |
| <b>Alias</b>             | Joining chain of multimeric IgA and IgM                                                                                                                                                                                                                                         |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                             |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                            |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                     |
| <b>Sequence</b>          | QEDERIVLVDNKCKCARITSRIIRSSDPNEDIVERNIRIIVPLNRENISDPTSP<br>L RTRFVYHLSDLCKKCDPTEVELDNQIVTATQSNICDEDSATETCYTYDRNKCY<br>TAVVPLVYGGGETKMOVETALTPDACYPD                                                                                                                              |
| <b>Research Area</b>     | Immunology                                                                                                                                                                                                                                                                      |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                          |
| <b>Target Names</b>      | JCHAIN                                                                                                                                                                                                                                                                          |
| <b>Protein Names</b>     | Recommended name: Immunoglobulin J chain                                                                                                                                                                                                                                        |
| <b>Expression Region</b> | 23-159aa                                                                                                                                                                                                                                                                        |
| <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 10xHis-tagged and C-terminal Myc-tagged                                                                                                                                                                                                                              |
| <b>Mol. Weight</b>       | 20.6kDa                                                                                                                                                                                                                                                                         |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                   |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                 |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

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.

### Shelf Life

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