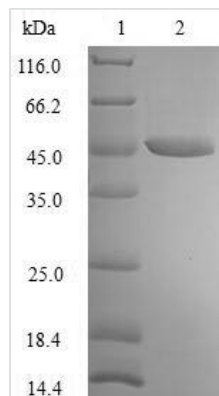




Recombinant Human Paraneoplastic antigen Ma2 (PNMA2), partial

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Code | CSB-EP018267HU |
| Abbreviation | Recombinant Human PNMA2 protein, partial |
| Storage | 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. |
| Uniprot No. | Q9UL42 |
| Alias | 40 kDa neuronal proteinOnconeuroal antigen Ma2;Paraneoplastic neuronal antigen MM2 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Sequence | ALALLEDWCRIMSVDEQKSLMVTGIPADFEEAEIQEVLQETLKSLGRYRLLGKIF RKQENANAVLLELLEDTDVSAIPSEVQGKGGVWKVIFKTPNQDTEFLERLNLFL EKEGQTVSGMFRALGQEGVSPATVPCISPELLAHLGQAMAHAPQPLPMRY RKLRVFGSAVPAPEEESFEVWLEQATEIVKEWPVTEAEKKRWLAESLRGPAL DLMHIVQADNPSISVEECLEAFKQVFGSLESRRTAQVRYLKTYQEEGEKVSAY VLRLETLLRRAVEKRAIPRRIADQVRLEQVMAGATLNQMLWCRLRELKDQGGP PSFLELMKVIREEEEEEEASFENESIEEPEERDGYGRWNHE |
| Research Area | Neuroscience |
| Source | E.coli |
| Target Names | PNMA2 |
| Expression Region | 2-261aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-tagged |
| Mol. Weight | 45.1kDa |
| Protein Length | Partial |
| Image | |



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

Description

The expression region of this recombinant Human PNMA2 KIAA0883 MA2 covers amino acids 2-361. The expected molecular weight for the PNMA2 KIAA0883 MA2 protein is calculated to be 45.1 kDa. This PNMA2 KIAA0883 MA2 protein is produced using e.coli expression system. The PNMA2 KIAA0883 MA2 coding gene included the N-terminal 6xHis tag, which simplifies the detection and purification processes of the recombinant PNMA2 KIAA0883 MA2 protein in following stages of expression and purification.

Paraneoplastic antigen Ma2 (PNMA2) is a protein associated with paraneoplastic neurological disorders (PND). Similar to PNMA1, PNMA2 is involved in autoimmune responses that target neural tissues in the presence of an underlying tumor. The immune system produces antibodies against PNMA2, contributing to the development of PNDs. These disorders often affect the nervous system, leading to a range of neurological symptoms. Research on PNMA2 primarily focuses on understanding its role in paraneoplastic syndromes, deciphering the mechanisms of the immune response against this antigen, and exploring its potential as a therapeutic target.

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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