# Recombinant Human 26S proteasome non-ATPase regulatory subunit 9 (PSMD9)

| | |
|---|---|
| **Product Code** | CSB-EP018914HU-B |
| **Storage** | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| **Uniprot No.** | O00233 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | >85% (SDS-PAGE) |
| **Sequence** | MSDEEARQSG GSSQAGVVTV SDVQELMRRK EEIEAQIKAN YDVLESQKGI GMNEPLVDCE GYPRSDVDLY QVRTARHNII CLQNDHKAVM KQVEEALHQL HARDKEKQAR DMAEAHKEAM SRKLGQSESQ GPPRAFAKVN SISPGSPASI AGLQVDDEIV EFGSVNTQNF QSLHNIGSVV QHSEGKPLNV TVIRRGEKHQ LRLVPTRWAG KGLLGCNIIP LQR |
| **Source** | E.coli |
| **Target Names** | PSMD9 |
| **Protein Names** | Recommended name: 26S proteasome non-ATPase regulatory subunit 9<br>Alternative name(s): 26S proteasome regulatory subunit p27 |
| **Expression Region** | 1-223 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | Full length protein |
| **Target Details** | The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a non-ATPase subunit of the 19S regulator. |
| **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**

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.