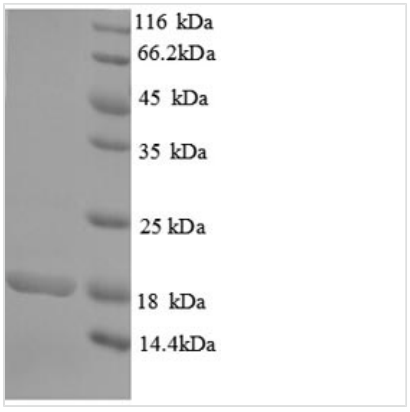
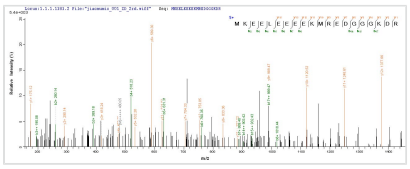
Recombinant Human Rhomboid-related protein 2 (RHBDL2), partial

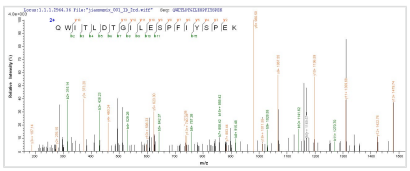
Product Code	CSB-EP019672HU
Relevance	Involved in regulated intrambrane proteolysis and the subsequent release of functional polypeptides from their mbrane anchors. Known substrate: EFNB3.
Abbreviation	Recombinant Human RHBDL2 protein, partial
Storage	The shelf life is related to many factors, storage 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.	Q9NX52
Alias	Rhomboid-like protein 2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MNLNMGREMKEELEEEEKMREDGGGKDRAKSKKVHRIVSKWMLPEKSRGTY LERANCFPPPVFIISISLAELAVFIYYAVWKPQKQWITLDTGILESPFIYSPEKREE AWRFISYMLVHAG
Research Area	Others
Source	E.coli
Target Names	RHBDL2
Expression Region	12-132aa
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	18.2kDa
Protein Length	Partial
Image	



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP019672HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) RHBDL2.



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Description

Amino acids 12-132 constitute the expression domain of recombinant Human RHBDL2. This RHBDL2 protein is theoretically predicted to have a molecular weight of 18.2 kDa. This protein is generated in a e.coli-based system. The RHBDL2 coding gene included the N-terminal 6xHis tag, which simplifies the detection and purification processes of the recombinant RHBDL2 protein in following stages of expression and purification.

Rhomboid-related protein 2 (RHBDL2) is a member of the rhomboid protease family, which is involved in intramembrane proteolysis. RHBDL2 has been implicated in various cellular processes, including the regulation of cell adhesion, migration, and inflammation. Additionally, some studies suggest its potential role in the cleavage of certain transmembrane proteins, contributing to the diversity of its cellular functions. Research on RHBDL2 may contribute to a better understanding of its substrate specificity, the cellular pathways it regulates, and its potential implications in cellular physiology and disease processes.

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.