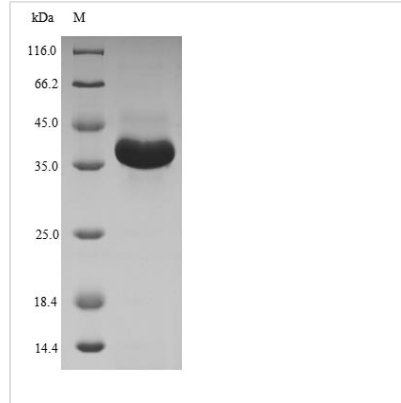




Recombinant Human Membrane-bound transcription factor site-1 protease (MBTPS1), partial

Product Code	CSB-EP617930HU
Relevance	Serine protease that catalyzes the first step in the proteolytic activation of the sterol regulatory element-binding proteins (SREBPs). Other known substrates are BDNF, GNPTAB and ATF6. Cleaves after hydrophobic or small residues, provided that Arg or Lys is in position P4. Cleaves known substrates after Arg-Ser-Val-Leu (SERBP-2), Arg-His-Leu-Leu (ATF6), Arg-Gly-Leu-Thr (BDNF) and its own propeptide after Arg-Arg-Leu-Leu. Mediates the protein cleavage of GNPTAB into subunit alpha and beta, thereby participating in biogenesis of lysosomes.
Abbreviation	Recombinant Human MBTPS1 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.	Q14703
Alias	Endopeptidase S1P Subtilisin/kexin-isozyme 1 Short name: SKI-1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	DTGLSEKHPHFKNVKERTNWTNERTLDDGLGHGTFVAGVIASMRQCQGFAPD AELHIFRVFTNNQVSYTSWFLDAFNAILKKIDVLNLSIGGPDFMDHPFVDKVV ELTANNVIMVSAIGNDGPLYGTLNPNPADQMDVIGVGGIDFEDNIARFSSRGMTT WELPGGYGRMKPDIVTYGAGVRGSGVKGGCRALSGTS
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	MBTPS1
Expression Region	218-414aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	37.5kDa
Protein Length	Partial
Image	



(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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