

Recombinant Human MBTPS1 Protein (218-414 aa), His-SUMO-tagged

Cat. No. MBTPS1-2058H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MBTPS1 Protein (218-414 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	218-414 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	37.5 kDa
AA Sequence	DTGLSEKHPHFKNVKERTNWTNERTLDDGLGHGTFVAGVIASMRECQGFAPDAEL HIFRVFTNNQVSYTSWFLDAFNAYILKKIDVLNLSIGGPDFMDHPFVDKVVWELTANNV

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	IMVSAIGNDGPLYGTLNNPADQMDVIGVGGIDFEDNIARFSSRGMTTWELPGGYGR MKPDIVTYGAGVRGSGVKGGCRALSGTS
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	MBTPS1 membrane-bound transcription factor peptidase, site 1 [Homo sapiens]
Official Symbol	MBTPS1
Synonyms	MBTPS1; KIAA0091; PCSK8; S1P; SKI 1; site-1 protease; endopeptidase S1P; SKI-1; MGC138711; MGC138712;
Gene ID	8720
mRNA Refseq	NM_003791
Protein Refseq	NP_003782
MIM	603355

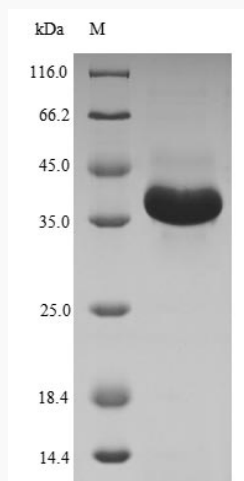
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UniProt ID

Q14703



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

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