

## Recombinant Human TPSD1 protein, His/S-tagged

**Cat. No.** TPSD1-01H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TPSD1(Glu99~Glu191) fused with His/S tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	99-191 a.a.
<b>Description</b>	<p>Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase inhibitors. Several tryptase genes are clustered on chromosome 16p13.3. These genes are characterized by several distinct features. They have a highly conserved 3' UTR and contain tandem repeat sequences at the 5' flank and 3' UTR which are thought to play a role in regulation of the mRNA stability. Although this gene may be an exception, most of the tryptase genes have an intron immediately upstream of the initiator Met codon, which separates the site of transcription initiation from protein coding sequence. This feature is characteristic of tryptases but is unusual in other genes. Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders. This gene was once considered to be a pseudogene, although it is now believed to be a functional gene that encodes a protein.</p>
<b>Form</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

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<b>Molecular Mass</b>	16.2kDa
<b>AA Sequence</b>	MHHHHHHSSG LVPRGSGMKE TAAAKFERQH MDSPDLGTDD DDKAMADIGS EF-EQ HLYYQDQLLP VSRIIVHPQF YIIQTGADIA LLELEEPVNI SSHIHTVTLP PASETFPFGM PCWVTGWGDV DNNVHLPPPY PLKEVEVPVW E
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 95%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TPSD1 tryptase delta 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">TPSD1</a>
<b>Synonyms</b>	MCP7L1; MMCP-7L; MCP7-LIKE; delta-tryptase; hmMCP-3-like tryptase III; mMCP-7-like delta II tryptase; mMCP-7-like-1; mMCP-7-like-2; mast cell tryptase; tryptase-3
<b>Gene ID</b>	<a href="#">23430</a>
<b>mRNA Refseq</b>	<a href="#">NM_012217</a>
<b>Protein Refseq</b>	<a href="#">NP_036349</a>

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<b>MIM</b>	609272
<b>UniProt ID</b>	Q9BZJ3
<b>Chromosome Location</b>	16p13.3
<b>Function</b>	serine-type endopeptidase activity; serine-type peptidase activity

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