

TPSAB1 recombinant protein

TPSAB1, 31-275aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48733	HOST E Coli	APPLICATIONS SDS-Page
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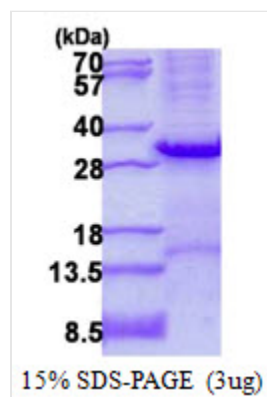
PRODUCT SYNONYMS

TPSAB1; 31-275aa; Human; His tag; E Coli (Denatured); Tryptase alpha/beta-1; TPS1; TPS2; TPSB1; TPSAB1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol 0.4M urea
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMIVGGQ EAPRSKWPWQ VSLRVHGPYW MHFCGGSLIH PQWVLTAHC VGPDVKDLAA LRVQLREQHL YYQDQLLPVS RIIVHPQFYT AQIGADIAL ELEEPVNVSS HVHTVTLPPA SETFPPGMPC WVTGWGDVDN DERLPPPFPL KQVKVPIMEN HICDAKYHLG AYTGDDVRIV RDDMLCAGNT RRDSCQGDSG GPLVCKVNGT WLQAGVVSWG EGCAQPNRPG IYTRVTYYLD WIIHHYVPKKP
Sequence Length	275
Applicable Applications for TPSAB1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TPSAB1 recombinant protein	TPSAB1, also known as tryptase alpha/beta-1, is a tryptase that is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type. It is enzymatically active only as a heparin-stabilized tetramer, and it is resistant to all known an endogenous proteinase inhibitor. This protein has been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders. Recombinant human TPSAB1 protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for TPSAB1 recombinant protein	Metabolism
References	Tanaka T. et al. (1983) J Biol Chem. 258 (22):13552-7.; Marquardt u. et al. (2002) J Mol Biol. 321 (3):491-502.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13775595
NCBI GeneID	7177
NCBI Accession #	NP_003285
NCBI GenBank Nucleotide #	NM_003294.3
Molecular Weight	30.1 kDa (270aa)
NCBI Official Full Name	tryptase alpha/beta-1
NCBI Official Synonym Full Names	tryptase alpha/beta 1
NCBI Official Symbol	TPSAB1
NCBI Official Synonym Symbols	TPS1; TPS2; TPSB1
NCBI Protein Information	tryptase alpha/beta-1
UniProt Protein Name	Tryptase alpha/beta-1
UniProt Gene Name	TPSAB1
UniProt Synonym Gene Names	TPS1; TPS2; TPSB1; Tryptase-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.