

Tryptase Beta 2 Recombinant Protein | TPSb2 recombinant protein

Recombinant Tryptase Beta 2 (TPSb2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA144432	E. coli	Rat	Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page

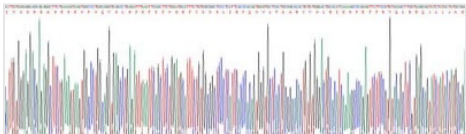
PRODUCT SYNONYMS

Tryptase Beta 2; Recombinant Tryptase Beta 2 (TPSb2); TPSb2 recombinant protein

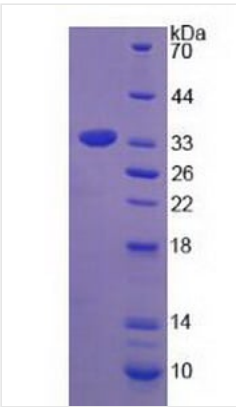
PRODUCT SPECIFICATIONS

Host	E. coli
Reactivity	Rat
Purity/Purification	>98%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Concentration	200ug/mL (varies by lot)
Applicable Applications for TPSb2 recombinant protein	IP (Coimmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Source	Prokaryotic expression
Residues	Ile30~Ser274
Tags	N-terminal His-Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	5.9
Predicted Molecular Mass	31.2kDa
Accurate Molecular Mass	35kDa as determined by SDS-PAGE reducing conditions
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Application Data



SDS-PAGE

I VGGREASESK WPMQVSLRFK

FSFWMHFCGG SLIHPQWVLT AAHCVGLHIK SPELFRVQLR EQVLYYADQL

LTVNRTVVHP HYYTVEDGAD IALLELEIPV NVSTHIHPIS LPPASETFPS

GTSCWVTGWG DIDSDEPLLP PYPLKQVKVP IVENSLCDRK YHTGLYTGDD

VPIVQDGMLC AGNTRSDSCQ GDSGGPLVCK VKGTWLQAGV VSWGEGCAEA

NRPGIYTRVT YYLDWIHRYV PQRS

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	68508970
NCBI GeneID	64499
NCBI Accession #	NP_077078.5
NCBI GenBank Nucleotide #	NM_024164.5
NCBI Official Full Name	tryptase beta-2 preproprotein
NCBI Official Synonym Full Names	tryptase beta 2 (gene/pseudogene)
NCBI Official Symbol	TPSB2
NCBI Official Synonym Symbols	TPS2; tryptaseB; tryptaseC
NCBI Protein Information	tryptase beta-2
UniProt Protein Name	Tryptase beta-2
UniProt Gene Name	TPSB2
UniProt Synonym Gene Names	TPS2; Tryptase-2
UniProt Entry Name	TRYB2_HUMAN

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.