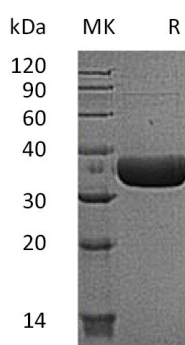


Summary

Name	Mcpt6/Mast Cell Protease-6/mMCP-6/Tpsb2/Tryptase beta-2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Tryptase Beta-2 is produced by our Mammalian expression system and the target gene encoding Ala22-Ser276 is expressed with a 6His tag at the C-terminus.
Accession #	P21845
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	29.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, 1mM EDTA, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Tryptase beta-2; Tryptase-2; Mast cell protease 6; mMCP-6
Background	Tryptase beta-2(Tpsb2), also known as Mast cell protease 6(mMCP-6), belongs to

Product Name: Recombinant Mouse Tpsb2 (C-6His)
Catalog #: PHM1929



the peptidase S1 family and Tryptase subfamily. Tryptase is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type. It plays a role in innate immunity. Tpsb2 can be detected primarily in skin during embryogenesis. Tpsb2 can not be detected at early embryonic stages but is abundantly expressed in later stages with a peak at E17.5-E18.5. Tryptase is a homotetramer. The active tetramer is converted to inactive monomers at neutral and acidic pH in the absence of heparin. Low concentrations of inactive monomers become active monomers at pH 6.0 in the presence of heparin. When the concentration of active monomers is higher, they convert to active monomers and then to active tetramers. These monomers are active and functionally distinct from the tetrameric enzyme. In contrast to the hidden active sites in the tetrameric form, the active site of the monomeric form is accessible for macromolecular proteins and inhibitors eg: fibrinogen which is a substrate for the monomeric but not for the tetrameric form. The monomeric form forms a complex with SERPINB6.

Note

For Research Use Only , Not for Diagnostic Use.