

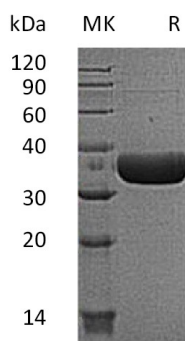
Product Name: Recombinant Mouse Tpsb2 (C-6His)
Catalog #: PHM1929



概述 (Summary)

英文全称	Mcpt6/Mast Cell Protease-6/mMCP-6/Tpsb2/Tryptase beta-2
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (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
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Mouse
预测分子量 (Predicted MW)	29.3 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of PBS, 1mM EDTA, pH 8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (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.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

分子别名 (Alternative Names)	Tryptase beta-2; Tryptase-2; Mast cell protease 6; mMCP-6
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背景介绍 (References)

Tryptase beta-2(Tpsb2), also known as Mast cell protease 6(mMCP-6), belongs to 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.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.