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Datasheet for ABIN2115425
TPSB2 Protein (AA 19-275) (His tag)

Overview

Quantity:	50 µg
Target:	TPSB2
Protein Characteristics:	AA 19-275
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPSB2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Tryptase β -2/TPSB2 (C-6His)
Sequence:	APAPGQALQR VGIVGGQEAP RSKWPWQVSL RVHGPLYWMHF CCGSLIHPQW VLTAAHCVGP DVKDLAALRV QLREQHLYYQ DQLLPVSRII VHPQFYTAQI GADIALLELE EPVKVSSHVH TVTLPPASET FPPGMPCWVT GWGDVDNDER LPPPFPLKQV KVPIMENHIC DAKYHLGAYT GDDVRIVRDD MLCAGNTRRD SCQGDSGGPL VCKVNGTWLQ AGVVSWECEG AQPNRPGIYT RVTYLDWIH HYVPKPKVDH HHHHH
Characteristics:	Recombinant Human Tryptase β -2/TPSB2 produced by transfected human cells is a secreted protein with sequence (Ala19-Pro275) of Human TPSB2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	TPSB2
Alternative Name:	Tryptase beta-2/TPSB2 (TPSB2 Products)
Background:	<p>Tryptases are Trypsin-like Serine Proteases. β-Tryptases are the main isoenzymes in mast cells. Btryptases form active tetramers with heparin proteoglycan. In the tetramer, the unique arrangement of the active sites facing a narrow central pore, β-Tryptases are resistant to macromolecule protease inhibitors . When mast cells are activated, β-Tryptases are released and participate in provoking inflammatory conditions . β-Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic disorders.</p> <p>Synonyms: Tryptase Beta-2, Tryptase-2, Tryptase II, TPSB2, TPS2</p>
Molecular Weight:	29.64 kDa
UniProt:	P20231

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 μg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 μ m filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months