Recombinant Human Tryptase β-2/TPSB2 Protein (His Tag)

Catalog Number: PKSH033154

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

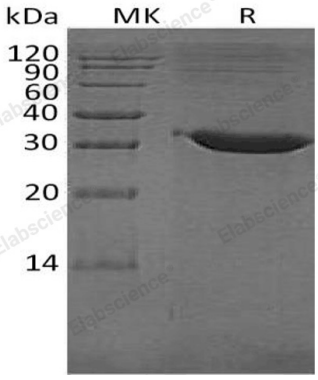
Description

Species	Human
Source	HEK293 Cells-derived Human Tryptase β-2/TPSB2 protein Ala19-Pro275, with an C-terminal His
Calculated MW	29.6 kDa
Observed MW	30-35 kDa
Accession	AAH29356.1
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Data



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Background

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.