

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

Catalog No. PKSH033154

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

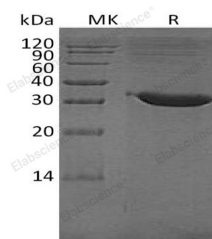
Description

Synonyms	Tryptase Beta-2;Tryptase-2;Tryptase II;TPSB2;TPS2
Species	Human
Expression Host	HEK293 Cells
Sequence	Ala19-Pro275
Accession	AAH29356.1
Calculated Molecular Weight	29.6 kDa
Observed molecular weight	30-35 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μ g 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 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

For Research Use Only