

## Recombinant Human Tryptase $\beta$ -2/TPSB2 Protein (His Tag)

**Catalog Number:** PKSH033154

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

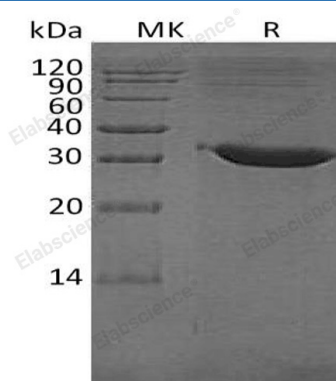
### Description

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

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Tryptases are Trypsin-like Serine Proteases.  $\beta$ -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,  $\beta$ -Tryptases are resistant to macromolecule protease inhibitors. When mast cells are activated,  $\beta$ -Tryptases are released and participate in provoking inflammatory conditions.  $\beta$ -Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic disorders.

### For Research Use Only

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