

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



Catalog Number:PKSH033154

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

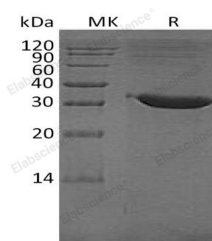
## Description

<b>Synonyms</b>	Tryptase Beta-2;Tryptase-2;Tryptase II;TPSB2;TPS2
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ala19-Pro275
<b>Accession</b>	AAH29356.1
<b>Calculated Molecular Weight</b>	29.6 kDa
<b>Observed molecular weight</b>	30-35 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , 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 $< -20^{\circ}\text{C}$ .
<b>Formulation</b>	Supplied as a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Reconstitution</b>	Not Applicable

## 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

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017