

## 32-7457: Recombinant Human Tryptase beta-2/TPSB2 (C-6His)

**Gene :** TPSB2  
**Gene ID :** 64499  
**Uniprot ID :** P20231

### Description

Source: Human Cells.

MW :29.64kD.

Recombinant Human Tryptase beta-2 is produced by our Mammalian expression system and the target gene encoding Ala19-Pro275 is expressed with a 6His tag at the C-terminus. Tryptases are Trypsin-like Serine Proteases. beta-Tryptases are the main isoenzymes in mast cells. b tryptases 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** APAPGQALQRVGIVGGQEAPRSKWPWQVSLRVHGPYWMHFCGGSLIHPQWVLTAAHCVGPDVKDLAALRV  
QLREQHLYYQDQLLPVSRIIVHPQFYTAQIGADIALLEEPVKVSSHVHTVTLPPASETFPPGMPWCWVTGWGDV  
DNDERLPPFPLKQVKVPIIMENHICDAKYHLGAYTGDDVRIVRDDMLCAGNTRRDSCQGDSSGGPLVCKVNGT  
WLQAGVSWGEGCAQPNRPGIYTRVTYYLDWIHHYVPKKPVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.