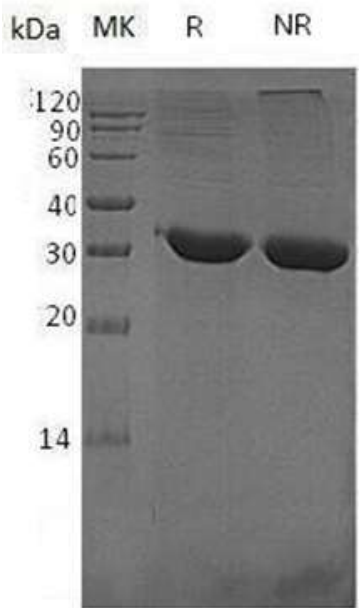
Recombinant Human TPSB2

Catalog No: C505

Description	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.
Source	Human Cells
Alternative name	Tryptase Beta-2; Tryptase-2; Tryptase II; TPSB2; TPS2
Accession No.	P20231
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid Sequence	APAPGQALQRVGIVGGQEAPRSKWPWQVSLRVHGPYWMHFCGGSLIHPQWVLTAAHCVGPDVKDL AALRVQLREQHLYY QDQLLPVSRIIVHPQFYTAQIGADIALLELEEPVKVSSHVHTVTLPPASETFPPGMPCWVTGWGDVDN DERLPPPFPLKQVKVP IMENHICDAKYHLGAYTGDDVRIVRDDMLCAGNTRRDSCQGDSGGPLVCKVNGTWLQAGVVSWGEG CAQPNRPGIYTRVT YYLDWIHHYVPKKPVDHHHHHH
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.

SDS-Page



MK: Marker

R: Sample under reducing conditions

NR: Sample under non-reducing conditions