

32-2861: TPSAB1 Recombinant Protein

Alternative Name : Tryptase Alpha/Beta 1, Tryptase Alpha II, Tryptase Beta-1, Tryptase Alpha-1, Tryptase Alpha/Beta-1, Tryptase-I, TPS1, TPS2, TPSB1, Tryptase-III, Mast Cell Alpha II Tryptase, Mast Cell Beta I Tryptase, EC 3.4.21.59.

Description

Source : E.coli. TPSAB1 Human Recombinant produced in E. coli is a single polypeptide chain containing 270 amino acids (31-275) and having a molecular mass of 30.1 kDa. TPSAB1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Tryptase alpha/beta-1 (TPSAB1) is a tryptase which is the key neutral protease present in mast cells and is discharged upon the coupled activation-degranulation response of this cell type. TPSAB1 is enzymatically active only as a heparin-stabilized tetramer, and is resistant to all known endogenous proteinase inhibitors. TPSAB1 is implicated as a mediator in the pathogenesis of asthma and other allergic and inflammatory disorders.

Product Info

Amount : 10 µg

Purification : Greater than 85% as determined by SDS-PAGE.

Content : The TPSAB1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SGLVPRGSH MGS HMIVGGQ EAPRSKWPWQ VSLRVHGPIYW MHFCGGSLIH PQWVLTAHC VGPDVKDLAA LRVQLREQHL YYQDQLLPVS RIIVHPQFYT AQIGADIAL EELP VNVSS HVHTVTLPPA SETFPPGMPC WVTGWGDVDN DERLPPPFPL KQVKVPI MEN HICDAKYHLG AYTGDDVRIV RDDMLCAGNT RRDSCQGDSG GPLVCKVNGT WLQAGVVS WG EGCAQPNRPG IYTRVTYYLD WIIHYVPKKP.

