

## 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 MGSHMIVGGQ EAPRSKWPWQ VSLRVHGPYW MHFCGGSLIH PQWVLTAAHC VGPDKDLAA LRVQLREQHL YYQDQLLPVS RIIVHPQFYT AQIGADIALLEEEPVNVS HVHTVTLPPA SETFPPGMPC WVTGWGDVDN DERLPPFPPL KQVKPIMEN HICDAKYHLG AYTGDVVRIV RDDMLCAGNT RRDSCQGDSDGPLVCKVNGT WLQAGVSWG EGCAQPNRPG IYTRVTYYLD WIHHYVKKP.