



## 32-6933: TPSAB1 Human, Sf9

**Alternative Name :** Tryptase alpha/beta-1, TPSAB1, TPS1, TPS2, TPSB1, Tryptase I, Tryptase alpha-1.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

TPSAB1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (31-275 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 251 amino acids and having a molecular mass of 28.2kDa. TPSAB1 shows multiple bands between 28-40kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

### Product Info

<b>Amount :</b>	2 µg / 10 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	TPSAB1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) & 20% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	IVGGQEAPRS KWPWQVSLRV HGPYWMHFCG GSLIHPQWVL TAAHCVGPDV KDLAALRVQL REQHLYYQDQ LLPVSRIIVH PQFYTAQIGA DIALLELEP VNVSSHVHTV TLPPASETFP PGMPCWVTGW GDVDNDRLP PPFPLKQVKV PIMENHICDA KYHLGAYTGD DVRIVRDDML CAGNTRRDSC QGDSGGPLVC KVNGTWLQAG VVSWGEGCAQ PNRPGIYTRV TYYLDWIIHY VPKKPHHHHH H.