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Recombinant Human Tryptase Alpha/Beta 1, Sf9

CLENZ1062
CLENZ1062-2
CLENZ1062-3

Introduction: 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.

Description: 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.

Synonyms: Tryptase alpha/beta-1, TPSAB1, TPS1, TPS2, TPSB1, Tryptase I, Tryptase alpha-1.

Source: Sf9, Baculovirus cells.

Presentation: 2 µg (**CLENZ1062**), 10 µg (**CLENZ1062-2**), or 1 mg (**CLENZ1062-3**) Sterile Filtered colourless solution. TPSAB1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) & 20% glycerol.

Stability: 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 sequence: IVGGQEAPRS KWPWQVSLRV HGPYWMHFCG GSLIHPQWVL TAAHCVGPDV
KDLAALRVQL REQHLYYQDQ LLPVSRIIVH PQFYTAQIGA DIALLELEEP VNVSSHVHTV TLPPASETFP
PGMPCWVTGW GDVDNDRERP PPFLKQVKV PIMENHICDA KYHLGAYTGD DVRIVRDDML
CAGNTRRDSC QGDSGGPLVC KVNGTWLQAG VVSWGEGCAQ PNRPGIYTRV TYYLDWIHHY
VPKKPHHHHH H.

Purity: Greater than 90% as determined by SDS-PAGE.

Laboratory Reagent For Research Use Only

JK 03/21/19

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