

## Recombinant human Tryptase alpha/beta-1 protein, Enzyme Activity

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Catalog	Unit
TBP0099-10UG	10 ug
TBP0099-50UG	50 ug

### Product Details

Alternative names: Tryptase alpha/beta-1, TPSAB1, TPS1, TPS2, TPSB1

Molecular Weight: 28.2 kDa

Concentration: 0.5mg/ml

Formulation: Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity: > 90% by SDS-PAGE

Endotoxin level: < 1 EU per 1ug of protein (determined by LAL method)

Tag: His-Tag

Application: SDS-PAGE

Storage Condition: Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### Description

TPSAB1, also known as tryptase alpha/beta-1, is a serine protease with trypsin-like specificity. It is the key neutral protease present in mast cells and is discharged upon the coupled activation-degranulation response of this cell type. This protein is enzymatically active only as a heparin-stabilized tetramer, and is resistant to all known endogenous proteinase inhibitors. Also, it is implicated as a mediator in the pathogenesis of asthma and other allergic and inflammatory disorders. Recombinant human TPSAB1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

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