Recombinant TRYD protein (His tag)

Catalog Number	545876
Synonyms	Delta-tryptase; HmMCP-3-like tryptase III; Mast cell mMCP-7-like; Tryptase-3
Species	Human
Expression System	E. coli
Accession	Q9BZJ3
Molecular Weight	Predictes a molecular mass of 24.27 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 24 kDa band.

Product Information

Sequence Region	40-242
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 40-242 aa (Q9BZJ3) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	This product features a recombinant fragment of human Tryptase delta (EC 3.4.21.59), a key mast cell protease, spanning residues 40-242. Designed for stability and solubility, this fragment is ideal for structural studies, enzymatic assays, and functional investigations in immunological and inflammatory research. Tryptase delta is the major neutral protease in mast cells and is secreted during mast cell activation and degranulation. As a secreted enzyme, it plays a central role in mast cell-mediated immune responses and is implicated in various allergic and inflammatory processes. The protein is released from secretory granules upon mast cell stimulation, highlighting its importance in understanding mast cell biology and related pathologies.