Recombinant TRYA protein (His tag)

Catalog Number	534723
Species	Drosophila melanogaster
Expression System	E. coli
Accession	P04814
Gene ID	48316
Molecular Weight	Predictes a molecular mass of 24.52 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	32-256
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 32-256 aa (P04814) 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	Recombinant Trypsin alpha (EC 3.4.21.4) fragment (residues 32-256) from Drosophila melanogaster, engineered for stability and solubility to support structural and biochemical research applications. Trypsin alpha is a serine protease secreted into the extracellular space, as indicated by its subcellular localization. While a detailed functional summary is not provided, trypsin proteases typically play critical roles in protein digestion, activation of zymogens, and cellular signaling pathways, making this enzyme significant for studies in proteolysis and developmental biology.