Recombinant PTER protein (His tag)

Catalog Number	536090
Synonyms	Parathion hydrolase-related protein
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q9VHF2
Gene ID	41116
Molecular Weight	Predictes a molecular mass of 40.95 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band.

Product Information

Sequence Region	1-350
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 1-350 aa (Q9VHF2) 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 recombinant protein product features a stable and soluble fragment (residues 1-350) of Phosphotriesterase-related protein (EC 3.1.-.-) from Drosophila melanogaster. Designed for structural and biochemical studies, this fragment represents a key functional unit of the enzyme, optimized for high solubility and experimental reliability in research applications. Phosphotriesterase-related protein, also known as Parathion hydrolase-related protein, is an enzyme classified under EC 3.1.-.-, suggesting hydrolase activity potentially involved in metabolic processes. In Drosophila melanogaster, this protein may contribute to detoxification or metabolic pathways, though specific functional and subcellular localization details are not fully characterized. The selected fragment (1-350) encompasses the primary structural domain, providing a representative model for investigating the protein's biochemical properties and enzymatic mechanisms in a controlled experimental context.