Recombinant GR36A protein (His tag)

Catalog Number	534767
Species	Drosophila melanogaster
Expression System	E. coli
Accession	P58955
Gene ID	117488
Molecular Weight	Predictes a molecular mass of 11.07 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	312-391
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 312-391 aa (P58955) 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 Putative Gustatory Receptor 36a (Gr36a) Fragment (312-391) from Drosophila melanogaster is a stable, soluble protein unit ideal for investigating gustatory perception mechanisms. This 80-amino acid fragment supports structural and biochemical studies of receptor-ligand interactions. The full-length Putative Gustatory Receptor 36a (Gr36a) is a multi-pass membrane protein localized to the cell membrane in Drosophila melanogaster. It functions as a gustatory receptor that mediates acceptance or avoidance behaviors in response to specific substrates, playing a critical role in taste perception and feeding behavior. This fragment represents a computationally selected region optimized for experimental analysis while retaining relevance to the receptor's functional characteristics.