Recombinant INX6 protein (His tag)

Catalog Number	533800
Synonyms	Innexin-6; Gap junction protein prp6; Pas-related protein 6
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q9VR82
Gene ID	31645
Molecular Weight	Predictes a molecular mass of 9.97 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	324-395
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 324-395 aa (Q9VR82) 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 Innexin inx6 (Innexin-6) Fragment (324-395) from Drosophila melanogaster is a 72-amino acid protein fragment designed for structural and biochemical studies. This fragment represents a stable, soluble unit of the gap junction protein, ideal for investigating intercellular communication mechanisms in model organisms. Innexin inx6 is a structural component of gap junctions, which are specialized intercellular channels facilitating direct communication between adjacent cells. The full-length protein is localized to the cell membrane and gap junctions, functioning as a multi-pass membrane protein. Gap junctions play critical roles in coordinating cellular activities, including electrical signaling and metabolite exchange, making Innexin inx6 a key protein for studying cell-cell communication in Drosophila melanogaster.