Recombinant SYJ2B protein (His tag)

Catalog Number	537862
Synonyms	Mitochondrial outer membrane protein 25
Species	Human
Expression System	E. coli
Accession	P57105
Molecular Weight	Predictes a molecular mass of 12.60 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	1-100
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-100 aa (P57105) 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 is a high-quality recombinant protein fragment of human Synaptojanin-2-binding protein (Mitochondrial outer membrane protein 25), spanning residues 1-100 and encompassing the full PDZ domain. It is an essential tool for researchers investigating domain-specific functions in endocytosis regulation and receptor kinase trafficking. The full-length Synaptojanin-2-binding protein, encoded by the SYNJ2BP gene, plays a critical role in regulating endocytosis of activin type 2 receptor kinases via the Ral/RALBP1-dependent pathway, potentially suppressing activin-induced signal transduction. It is localized to the mitochondrial outer membrane, linking its function to cellular signaling and organelle dynamics.