Recombinant STNB protein (His tag)

Catalog Number	533892
Synonyms	Adaptin-related protein 10; Uncoordinated protein 41
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	P90761
Gene ID	179387
Molecular Weight	Predictes a molecular mass of 59.10 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 61 kDa band.

Product Information

Sequence Region	1121-1614
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 1121-1614 aa (P90761) 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 fragment of the Putative stoned B-like protein (Unc-41) from Caenorhabditis elegans, encompassing amino acids 1121-1614. This 494-amino acid fragment contains the complete SHD and MHD functional domains, making it an ideal tool for studying endocytic vesicle recycling mechanisms and synaptic vesicle dynamics. The full-length Putative stoned B-like protein (also known as Adaptin-related protein 10 or Uncoordinated protein 41) functions as a potential adapter protein involved in endocytic vesicle recycling of synaptic vesicles. This cytoplasmic protein plays a crucial role in neuronal function by regulating synaptic vesicle trafficking and recycling processes. The specific domains contained in this recombinant fragment (SHD and MHD) are essential for the protein's adapter function and its role in vesicle recycling pathways.