Recombinant EXOC2 protein (His tag)

Catalog Number	534833
Synonyms	Exocyst complex component Sec5
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q22706
Gene ID	174459
Molecular Weight	Predictes a molecular mass of 12.65 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	1-103
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 1-103 aa (Q22706) 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 Exocyst complex component 2 (Sec5) fragment from Caenorhabditis elegans, encompassing residues 1-103 and the complete IPT/TIG domain (13-98). This high-purity protein is an essential tool for investigating exocyst-mediated vesicle docking mechanisms and domain-specific functions in cellular trafficking. Exocyst complex component 2 (Sec5) is a conserved subunit of the exocyst complex, which facilitates the targeted docking of exocytic vesicles with specific plasma membrane fusion sites. This process is critical for polarized secretion, membrane expansion, and cellular growth. The full-length protein contributes to tethering vesicles prior to SNARE-mediated fusion, ensuring precise delivery of cargo. The provided fragment isolates the IPT/TIG domain, enabling focused studies on its structural and functional roles in vesicle tethering and exocyst assembly.