Recombinant EXOC2 protein (His tag)

Catalog Number	547997
Synonyms	Exocyst complex component Sec5
Species	Human
Expression System	E. coli
Accession	Q96KP1
Molecular Weight	Predictes a molecular mass of 11.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	1-93
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 1-93 aa (Q96KP1) 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	Introducing the recombinant human Exocyst complex component 2 (Sec5) fragment (amino acids 1-93), a high-purity protein designed for studying the IPT/TIG domain. This fragment serves as an essential tool for researchers investigating vesicle docking mechanisms and exocytosis pathways. Exocyst complex component 2 (EXOC2/Sec5) is a crucial component of the exocyst complex, which mediates the docking of exocytic vesicles with specific fusion sites on the plasma membrane. This process is fundamental for cellular secretion and membrane trafficking. The protein localizes to key cellular structures including the midbody and midbody ring, where it interacts with CNTRL/centriolin, playing important roles in cell division and cytokinesis. The provided fragment encompasses the complete IPT/TIG domain (amino acids 8-93), enabling targeted investigation of this specific functional region within the broader context of exocyst-mediated membrane trafficking.