Recombinant SC22A protein (His tag)

Catalog Number	547980
Synonyms	SEC22 vesicle-trafficking protein homolog A; SEC22 vesicle-trafficking protein-like 2
Species	Human
Expression System	E. coli
Accession	Q96IW7
Molecular Weight	Predictes a molecular mass of 19.98 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	2-158
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 2-158 aa (Q96IW7) 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 Human SEC22A Protein Fragment (residues 2-158) is a high-purity, functional fragment of the vesicle-trafficking protein SEC22a, designed to encompass the complete Longin domain. This product is an essential tool for studying ER-Golgi transport mechanisms and domain-specific interactions in intracellular trafficking. The full-length Vesicle-trafficking protein SEC22a is involved in intracellular transport, specifically in vesicle transport between the endoplasmic reticulum (ER) and the Golgi complex. It is localized to the ER membrane as a multi-pass membrane protein, playing a critical role in maintaining cellular trafficking pathways. This recombinant fragment, containing the Longin domain (residues 8-119), enables focused investigation into the domain's contribution to SEC22a's function in membrane trafficking processes.