Recombinant SC22C protein (His tag)

Catalog Number	541135
Synonyms	SEC22 vesicle-trafficking protein homolog C; SEC22 vesicle-trafficking protein-like 3
Species	Human
Expression System	E. coli
Accession	Q9BRL7
Molecular Weight	Predictes a molecular mass of 22.39 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	1-183
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 1-183 aa (Q9BRL7) 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 SEC22C (1-183) Fragment: A high-purity protein fragment encompassing the Longin domain (residues 8-119) of SEC22 vesicle-trafficking protein homolog C, designed for targeted studies of intracellular transport mechanisms between the endoplasmic reticulum and Golgi complex. The full-length SEC22C protein is a multi-pass membrane protein localized to the endoplasmic reticulum membrane and is implicated in vesicle transport between the endoplasmic reticulum and the Golgi complex. This role is critical for intracellular trafficking and protein sorting, supporting cellular organization and secretion processes. The provided fragment enables focused investigation into the functional contributions of its Longin domain to these essential pathways.