Recombinant SCAM1 protein (His tag)

Catalog Number	541740
Synonyms	Secretory carrier membrane protein 1
Species	Human
Expression System	E. coli
Accession	O15126
Molecular Weight	Predictes a molecular mass of 11.14 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	76-155
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 76-155 aa (O15126) 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	This product is a recombinant protein fragment of human Secretory carrier-associated membrane protein 1 (SCAMP1), encompassing residues 76-155. This 80-amino acid fragment is designed for structural and biochemical studies, offering a stable and soluble unit ideal for investigating post-Golgi recycling pathways and cellular trafficking mechanisms. Secretory carrier-associated membrane protein 1 (SCAMP1) functions in post-Golgi recycling pathways, acting as a recycling carrier to the cell surface. It is localized to the Golgi apparatus, trans-Golgi network membrane, and recycling endosome membrane, where it operates as a multi-pass membrane protein. This protein plays a critical role in intracellular membrane trafficking and vesicle-mediated transport, contributing to the regulation of protein and lipid recycling in human cells.