Recombinant SAM9L protein (His tag)

Catalog Number	540673
Synonyms	SAM domain-containing protein 9-like
Species	Human
Expression System	E. coli
Accession	Q8IVG5
Molecular Weight	Predictes a molecular mass of 10.52 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	1-76
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 1-76 aa (Q8IVG5) 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 features a recombinant fragment of the Sterile alpha motif domain-containing protein 9-like (SAMD9L) from Homo sapiens, encompassing residues 1-76. This stable and soluble fragment is ideal for structural studies and biochemical assays, offering researchers a reliable tool to explore protein function and interactions. The full-length SAMD9L protein is implicated in endosome fusion and plays a role in down-regulating growth factor signaling by facilitating the internalization of growth factor receptors. It localizes to early endosomes and mitochondria, highlighting its involvement in intracellular trafficking and cellular regulation pathways. This makes SAMD9L a protein of interest in studies of signal transduction and membrane dynamics.