Recombinant MANS4 protein (His tag)

Catalog Number	551078
Species	Human
Expression System	E. coli
Accession	A6NHS7
Molecular Weight	Predictes a molecular mass of 16.16 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	25-150
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 25-150 aa (A6NHS7) 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 MANSC4 Protein Fragment (residues 25-150) is a high-purity, functional domain-specific tool designed for studying the MANSC domain. This 126-amino acid fragment fully encompasses the MANSC domain (residues 37-117), making it an ideal reagent for domain-focused functional assays, protein interaction studies, and structural investigations in life science research. The full-length MANSC domain-containing protein 4 (MANSC4) is encoded by the MANSC4 gene in Homo sapiens and is annotated as a single-pass type I membrane protein localized to the membrane. While detailed functional data is not fully characterized, its membrane association and domain architecture suggest potential roles in cellular signaling, adhesion, or recognition processes. The MANSC domain contained within this recombinant fragment is evolutionarily conserved and may participate in specific molecular interactions critical for the protein's biological activity.