Recombinant MANS1 protein (His tag)

Catalog Number	549376
Synonyms	Loss of heterozygosity 12 chromosomal region 3 protein
Species	Human
Expression System	E. coli
Accession	Q9H8J5
Molecular Weight	Predictes a molecular mass of 12.25 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	27-121
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 27-121 aa (Q9H8J5) 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 MANSC1 Protein Fragment (residues 27-121) - a high-purity preparation encompassing the complete MANSC domain, ideal for investigating the specific functional properties of this conserved domain in cellular processes. The full-length MANSC domain-containing protein 1 (also known as Loss of heterozygosity 12 chromosomal region 3 protein) is a single-pass type I membrane protein localized to the cellular membrane. As a membrane-associated protein, MANSC1 is positioned to participate in critical cellular signaling and interaction processes at the membrane interface. The protein's MANSC domain represents a conserved functional region that likely mediates specific molecular interactions essential for its biological role.