

Human MANSC1 Protein

Cat. No. MAN-HM1C1

Description

Source	Recombinant Human MANSC1 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Gln27-Leu385.
Accession	Q9H8J5
Molecular Weight	The protein has a predicted MW of 39.9 kDa. Due to glycosylation, the protein migrates to 113-116 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μ g by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

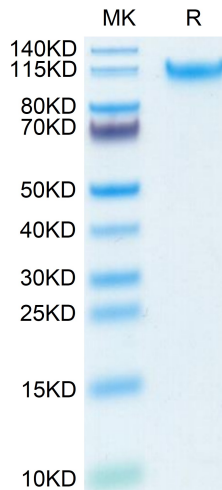
Formulation	Supplied as 0.22 μ m filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

MANSC1 contains 1 MANSC domain. MANSC is a seven-cysteine-containing domain present in animal membrane and extracellular proteins. MANSC (motif at N terminus with seven cysteines) is a novel domain with a well-conserved seven-cysteine motif that is present at the N terminus of membrane and extracellular proteins, including low-density lipoprotein receptor-related protein 11 (LRP-11), hepatocyte growth factor activator inhibitor 1 (HAI-1) and some uncharacterized proteins encoded by multicellular animals from Mollusca to Chordata. The MANSC domain in HAI-2 might function through binding with hepatocyte growth factor activator and matriptase[1].

Assay Data

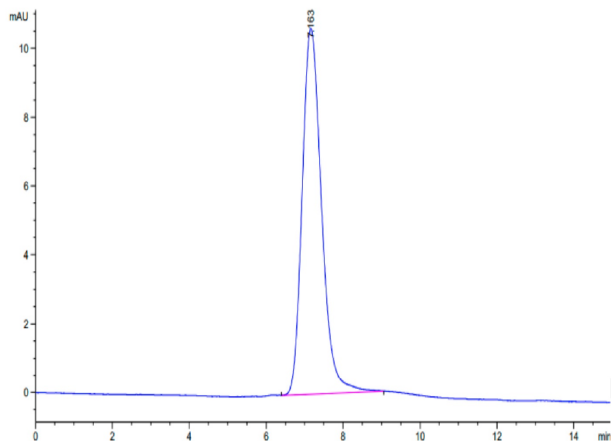
Tris-Bis PAGE



Human MANSC1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

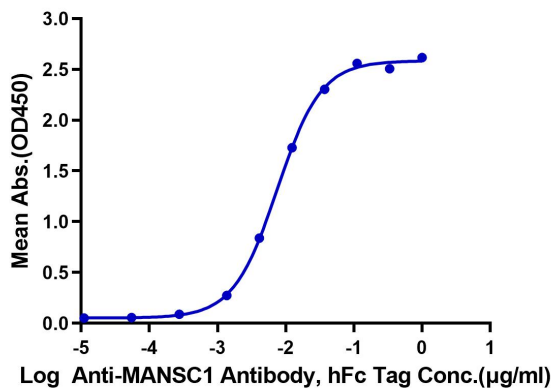
Assay Data



The purity of Human MANSC1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human MANSC1, His Tag ELISA
0.02µg Human MANSC1, His Tag Per Well



Immobilized Human MANSC1, His Tag at 0.2µg/ml (100µl/well) on the plate. Dose response curve for Anti-MANSC1 Antibody, hFc Tag with the EC50 of 7.5ng/ml determined by ELISA.