Human MANSC1 Protein

Cat. No. MAN-HM1C1

Description

Source	Recombinant Human MANSC1 Protein is expressed from HEK293 with His tag at the C-Terminus.
	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 μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

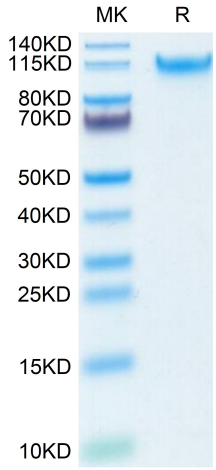
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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].

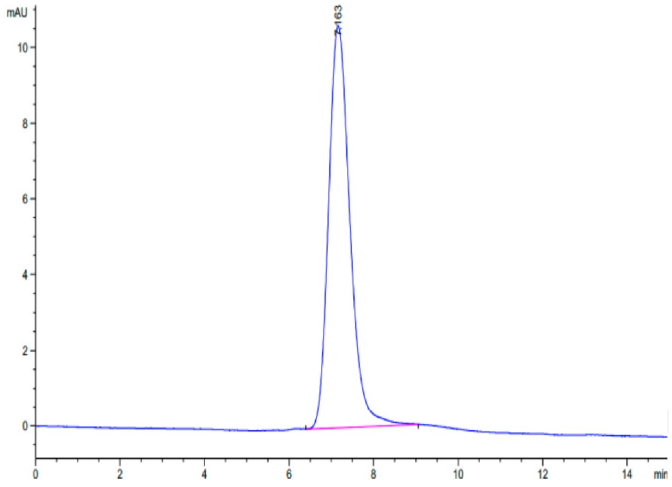
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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

For Research Use Only

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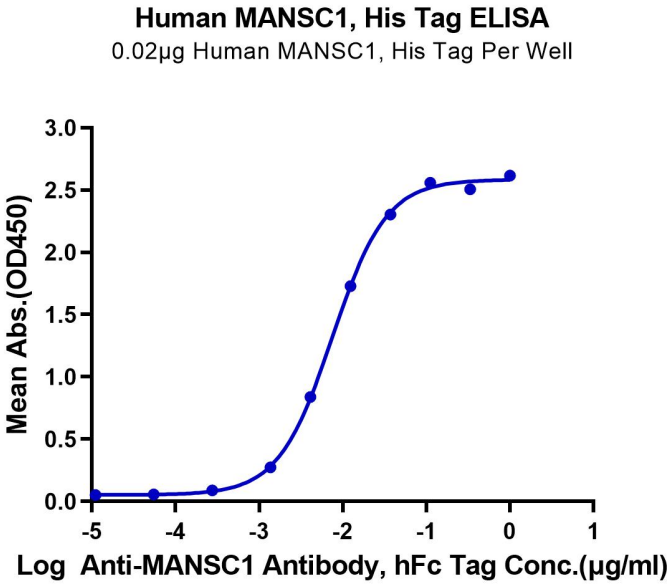
Assay Data

ELISA Data



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.

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