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Datasheet for ABIN7275227

MANSC1 Protein (AA 27-385) (His tag)

3 Images

Overview

Quantity:	100 µg
Target:	MANSC1
Protein Characteristics:	AA 27-385
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MANSC1 protein is labelled with His tag.

Product Details

Purpose:	Human MANSC1 Protein
Sequence:	Gln27-Leu385
Characteristics:	Recombinant Human MANSC1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln27-Leu385.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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. See testing image for detail.

Target Details

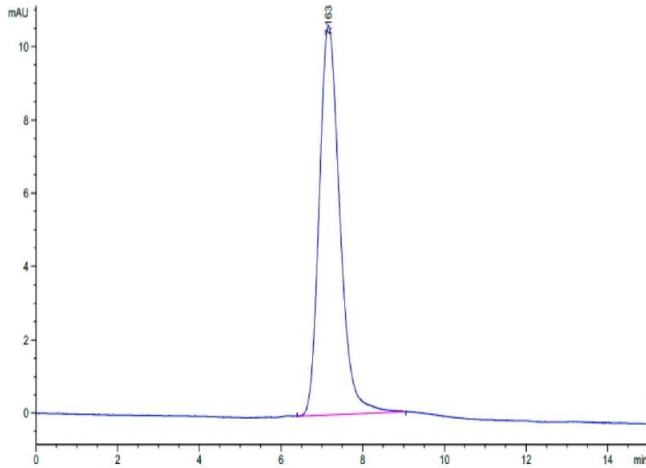
Target:	MANSC1
Alternative Name:	MANSC1 (MANSC1 Products)
Background:	MANSC1 contains 1 MANSC domain. MANSC is a seven-cysteine-containing domain present in animal membrane and extracellular proteins. MANSC (motif at N terminus with seven cysteines) is a novel domain with a well-conserved seven-cysteine 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].
Molecular Weight:	39.9 kDa. Due to glycosylation, the protein migrates to 113-116 kDa based on Tris-Bis PAGE result.
UniProt:	Q9H8J5

Application Details

Restrictions:	For Research Use only
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Handling

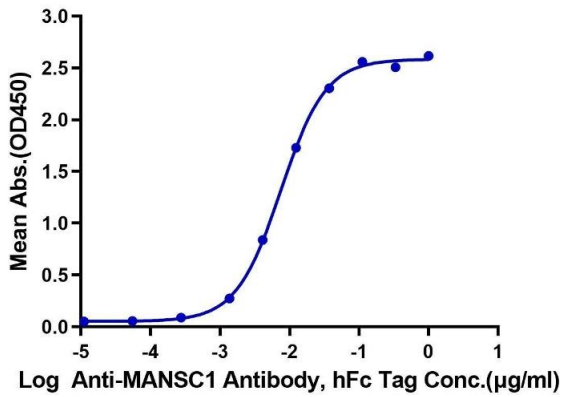
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

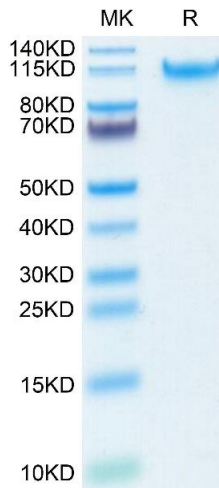
Image 1. The purity of Human MANSC1 is greater than 95 % as determined by SEC-HPLC.

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



ELISA

Image 2. Immobilized Human MANSC1, His Tag at 0.2 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-MANSC1 Antibody, hFc Tag with the EC50 of 7.5 ng/mL determined by ELISA.



SDS-PAGE

Image 3. Human MANSC1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .