

Mouse MANSC1 Protein

Cat. No. MAN-MM1C1

Description

Source	Recombinant Mouse MANSC1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly25-Leu369.
Accession	Q9CR33
Molecular Weight	The protein has a predicted MW of 38.2 kDa. Due to glycosylation, the protein migrates to 58-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

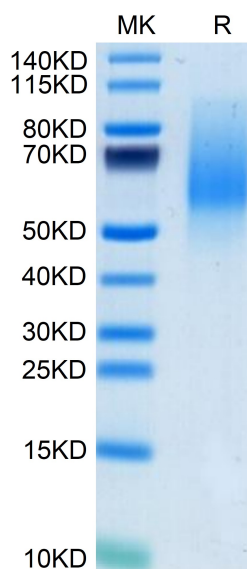
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

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

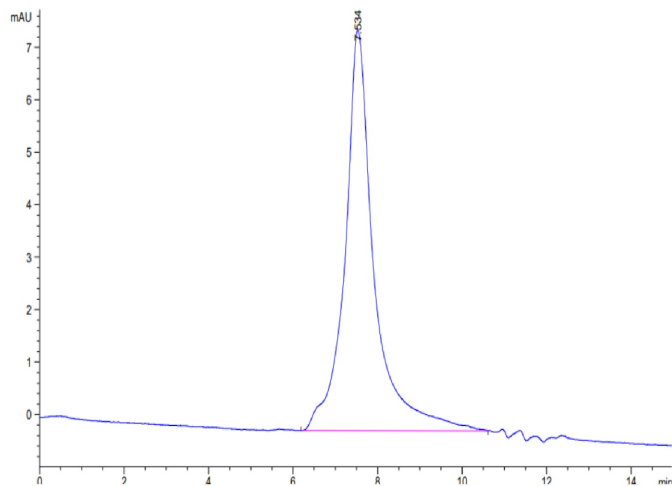
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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