

# Mouse MANSC1 Protein, Ultra Low Endotoxin

Cat. No. MAN-MM1C1-UL

## Description

<b>Source</b>	Recombinant Mouse MANSC1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly25-Leu369.
<b>Accession</b>	Q9CR33
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

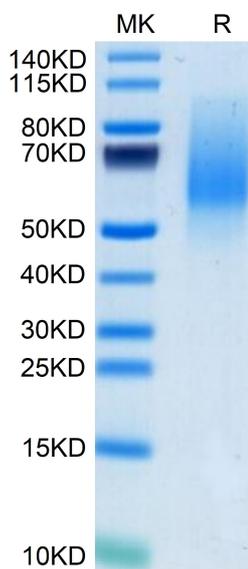
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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%.