Human SMOC1 Protein

Cat. No. SMC-HM101

Description

Source	Recombinant Human SMOC1 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains His27-Val434.
Accession	Q9H4F8-1
Molecular Weight	The protein has a predicted MW of 46.43 kDa. Due to glycosylation, the protein migrates to 60-70 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

Formulation and Storage

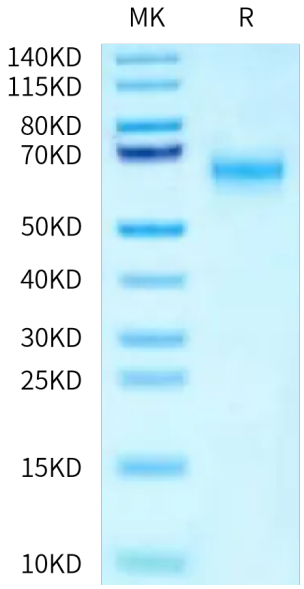
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled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

SPARC-related modular calcium binding 1 (SMOC1) represents a vital member of the SPARC matricellular protein family that regulates cell matrix interaction through binding to cell-surface receptors. SMOC1 silencing suppressed the Ang IIinduced myocardial fibrosis of mouse MFBs through affecting the BMP2/Smad signaling pathway.

Assay Data

Bis-Tris PAGE



Human SMOC1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.