

[Go to Product page](#)

Datasheet for ABIN7504533

**SMOC1 Protein (AA 27-434) (His tag)**

## Overview

Quantity:	100 µg
Target:	SMOC1
Protein Characteristics:	AA 27-434
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMOC1 protein is labelled with His tag.

## Product Details

Purpose:	Human SMOC1 Protein
Sequence:	His27-Val434
Characteristics:	Recombinant Human SMOC1 Protein is expressed from HEK293 with His tag at the C-terminus. It contains His27-Val434.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	SMOC1
Alternative Name:	SMOC1 ( <a href="#">SMOC1 Products</a> )

## Target Details

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 II-induced myocardial fibrosis of mouse MFBs through affecting the BMP2/Smad signaling pathway.
Molecular Weight:	46.43 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## 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 0.22 µm 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