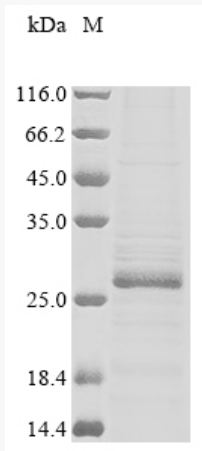


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Datasheet

Product Name	Recombinant Rat Sclerostin domain-containing protein 1(Sostdc1)
Catalog Number	AAA18770
Expression host	<i>Mammalian cell</i>
Product Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Storage Buffer	0.2 µm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 50% glycerol
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Directly antagonizes activity of BMP2, BMP4, BMP6 and BMP7 in a dose-dependent manner (By similarity). May be involved in the onset of endometrial receptivity for implantation/sensitization for the decidual cell reaction. Enhances Wnt signaling and inhibits TGF-beta signaling.
AA sequence	FKNDATEILYSHVVKPVSAHPSSNSTLNQARNGGRHFSSTGLDRNSRVQVGC RELIRSTKYISDGQCTSISPLKELVCAGECLPLPVLPNWIGGGYGTKYWSRRSSQ EWRCVNDKTRTQRIQLQCQDGSTRTYKITVVTACKCKRYTRQHNESSHNFES VSPAKPAQHHRERKRASKSSKHSL "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC)."
References	The MGC Project Team Genome Res. 14:2121-2127(2004)

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Certificate of Analysis

Product Name	Recombinant Rat Sclerostin domain-containing protein 1(Sostdc1)		
Catalog Number	AAA18770		
Expression host	Mammalian cell		
Product Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged		
Buffer	0.2 μm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 50% glycerol		
Batch Number	YD03461b1g5		
Nature	Rat Sostdc1-(AA 24-206)- Q642G2 -Full Length of Mature Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, six months from the date of receipt	
Form	Liquid		
Date of detection	2019.10.30		
Test Items	Specifications		Results
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the Bradford Method.		0.2 mg/ml
Purity	≥85%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		85%
Molecular Weight	Predicted band size: 24.6 kDa		Observed band size: 27 kDa

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	0.2 µm sterile filtered	
Endotoxin Level	<1.0 EU per 1µg of the protein by the LAL method.	pass
Activity	Not tested	
Conclusion	pass	