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Datasheet for ABIN7504227

ACVRL1 Protein (AA 22-118) (His tag)

Overview

Quantity:	100 µg
Target:	ACVRL1
Protein Characteristics:	AA 22-118
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACVRL1 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus ALK-1/ACVRL1 Protein
Sequence:	Asp22-Gln118
Characteristics:	Recombinant Cynomolgus ALK-1/ACVRL1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp22-Gln118.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	ACVRL1
Alternative Name:	ALK-1 (ACVRL1 Products)

Target Details

Background:	Activin receptor-like kinase 1 (ALK1)-mediated endothelial cell signalling in response to bone morphogenetic protein 9 (BMP9) and BMP10 is of significant importance in cardiovascular disease and cancer. Structural analyses reveal a tripartite recognition mechanism that defines BMP9 and BMP10 specificity for ALK1, and predict that crossveinless 2 is not an inhibitor of BMP9, which is confirmed by experimental evidence.
Molecular Weight:	11.86 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005570958

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