

Datasheet for ABIN7194119

ACVRL1 Protein (His tag,Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	200 µg
Target:	ACVRL1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ACVRL1 protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Mouse ALK-1/ACVRL1 Protein (His & Fc Tag)(Active)
Sequence:	Met 1-Pro 119
Characteristics:	A DNA sequence encoding the mouse ALK1 (NP_033742.2) precursor (Met 1-Pro 119) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to inhibit BMP9-induced alkaline phosphatase production by MC3T3E1 mouse chondrogenic cells. David, L. et al. (2007) Blood 109:1953. The ED50 for this effect is typically 60-300 ng/mL in the presence of 2 ng/mL of recombinant human BMP9.

Target Details

Target:	ACVRL1
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Target Details

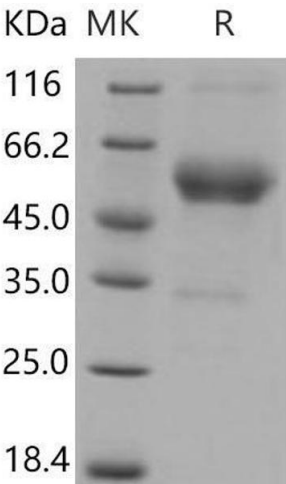
Alternative Name:	ALK-1/ACVRL1 (ACVRL1 Products)
Background:	<p>Background: Activin A receptor, type II-like 1 (ACVRL1), also known as ALK-1 (activin receptor-like kinase 1), is an endothelial-specific type I receptor of the TGF-beta (transforming growth factor beta) receptor family of ligands. On ligand binding, a heteromeric receptor complex forms consisting of two type II and two type I transmembrane serine/threonine kinases. ACVRL1 protein is expressed in certain blood vessels of kidney, spleen, heart and intestine, serving as an important role during vascular development. Mutations in ACVRL1 gene are associated with hemorrhagic telangiectasia type 2, also known as Rendu-Osler-Weber syndrome 2 and vascular disease.</p> <p>Synonym: Serine/threonine-protein kinase receptor R3, SKR3, Activin receptor-like kinase 1, ALK-1, TGF-B superfamily receptor type I, TSR-I, ACVRL1, activin A receptor type II-like 1, activin A receptor</p>
Molecular Weight:	39 kDa
NCBI Accession:	NP_033742

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>



Western Blotting

Image 1.