

Datasheet for ABIN7320736
ACVRL1 Protein (Fc Tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	ACVRL1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACVRL1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse ALK-1/ACVRL1 Protein (Fc Tag)
Sequence:	Asp23-Pro119
Characteristics:	Recombinant Mouse Activin Receptor-like Kinase 1 is produced by our Mammalian expression system and the target gene encoding Asp23-Pro119 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ACVRL1
Alternative Name:	ALK-1/ACVRL1 (ACVRL1 Products)
Background:	Background: Activin Receptor-Like Kinase 1 (ALK-1) is a type I cell-surface receptor for the TGF-β superfamily of ligands, which mediates signaling of BMP9 (bone morphogenetic protein) and

Target Details

BMP10. ALK1 signaling is necessary for angiogenesis during embryogenesis, wound healing, and tumor growth. ALK-1 has a high degree of similarity in serine-threonine kinase subdomains, a glycine and serine rich region preceding the kinase-domain, and a C-terminal tail with other activin receptor-like kinase proteins. ALK-1 is mainly expressed in endothelial cells regulating proliferation and migration in vitro and angiogenesis in vivo. Mutations in ALK-1 as well as in endoglin are associated with hereditary hemorrhagic telangiectasia (HHT), suggesting ALK-1 plays a critical role for in the control of blood vessel development or repair.

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

Molecular Weight:	38.1 kDa
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UniProt:	Q61288
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Application Details

Restrictions:	For Research Use only
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Handling

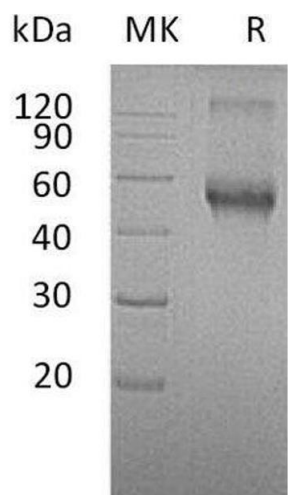
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	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.
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Western Blotting

Image 1.