

Datasheet for ABIN7320751
BMPR1A Protein (His tag,Fc Tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	BMPR1A
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BMPR1A protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Mouse BMPRIA/ALK-3 Protein (Fc & His Tag)
Sequence:	Gln24-Arg152
Characteristics:	Recombinant Mouse Bone Morphogenetic Protein Receptor Type IA/Activin Receptor-like Kinase 3 is produced by our Mammalian expression system and the target gene encoding Gln24-Arg152 is expressed with a Fc, 6His 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:	BMPR1A
Alternative Name:	BMPRIA/ALK-3 (BMPR1A Products)
Background:	Background: ALK-3 is a type I receptor for bone morphogenetic proteins (BMPs) which belong to the protein kinase superfamily, TKL Ser/Thr protein kinase family and TGFB receptor

Target Details

subfamily. The BMP receptors consists of the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. Seven known type I serine/threonine kinases and five mammalian type II serine/threonine kinase receptors function in TGF-beta superfamily signal transduction. The downstream molecules of the type I BMP receptors include the Smad (Smad1, 5 and 8) proteins that are phosphorylated in a ligand-dependent manner, and relay the BMP signal from the receptors to target genes in the nucleus. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. ALK-3 contains a GS domain and a protein kinase domain. ALK-3 is widely expressed. Defects in BMPR1A gene are a cause of a significant proportion of cases of Juvenile polyposis syndrome (JPS).

Synonym: ALK-3,Bone morphogenetic protein receptor type-1A,BMP type-1A receptor,BMPR-1A,Activin receptor-like kinase 3,BMP-2/BMP-4 receptor,Serine/threonine-protein kinase receptor R5,SKR5,CD292,Acvrlk3,Bmpr,BMPR-IA

Molecular Weight: 42.2 kDa

UniProt: [P36895](#)

Pathways: [Stem Cell Maintenance](#)

Application Details

Restrictions: For Research Use only

Handling

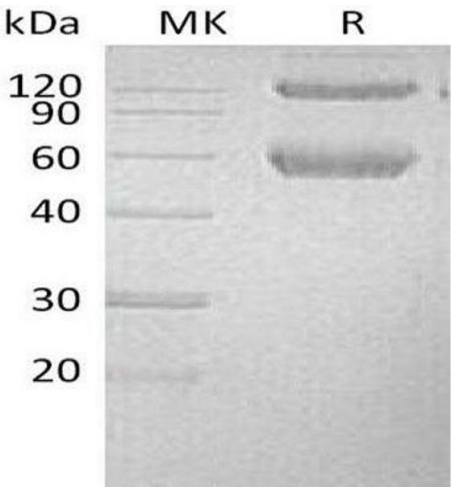
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

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.



Western Blotting

Image 1.