



[Go to Product page](#)

Datasheet for ABIN7194418
BMPR1B Protein (Fc Tag)

1 Image

Overview

Quantity:	100 µg
Target:	BMPR1B
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BMPR1B protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse BMPR1B/ALK-6 Protein (Fc Tag)
Sequence:	Lys14-Lys126
Characteristics:	A DNA sequence encoding the mouse Bmpr1b (NP_031586.1) (Lys14-Lys126) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> (88.3+9.9) % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	BMPR1B
Alternative Name:	BMPR1B/ALK-6 (BMPR1B Products)
Background:	Background: BMPR1B(bone morphogenetic protein receptor, type IB), also known as ALK6, is a member of the bone morphogenetic protein (BMP) receptor family. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals

Target Details

through the formation of heteromeric complexes of 2 different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. BMPR1B is the major transducer of signals in precartilaginous condensations as demonstrated in experiments using constitutively active BMPR1B receptors. BMPR1B is a more effective transducer of GDF5 than BMPR1A. Unlike BMPR1A null mice, which die at an early embryonic stage, BMPR1B null mice are viable.

Synonym: Acvrlk6, AI385617, ALK-6, Alk6, AV355320, BMPR-1B, BMPR-1B, CFK-43a, SKR6

Molecular Weight: 39.4 kDa

NCBI Accession: [NP_031586](#)

Application Details

Restrictions: For Research Use only

Handling

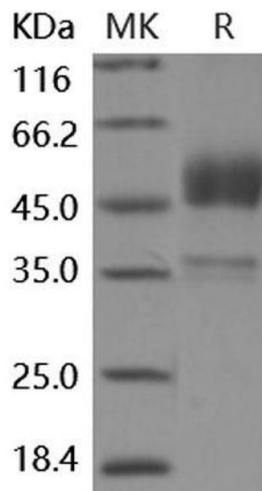
Format: Lyophilized

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: 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.