Datasheet for ABIN7317106

BMPR1B Protein (AA 149-502) (GST tag,His tag)

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1 Image

Overview

Quantity:	50 µg
Target:	BMPR1B
Protein Characteristics:	AA 149-502
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BMPR1B protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human BMPR1B/ALK-6 Protein (aa 149-502, His&GST Tag)
Sequence:	Arg 149-Leu 502
Characteristics:	A DNA sequence encoding the human ALK6 (NP_001194.1) cytoplasmic domain (Arg 149-Leu 502) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg 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

Target Details

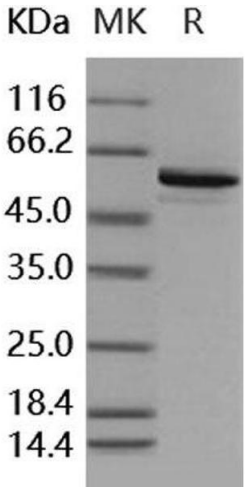
	a member of the bone morphogenetic protein (BMP) receptor family. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of 2 different types of serine (threonine) kinase receptors: type I receptors of 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 trasducer of GDF5 than BMPR1A. Unlike BMPR1A null mice, which die at an early embryonic stage, BMPR1B null mice are viable. Synonym: ALK-6,ALK6,CDw293
Molecular Weight:	68.3 kDa
NCBI Accession:	NP_001194

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 50 mM Tris, 100 mM NaCl, pH 8.5, 20 % glycerol, 0.3 mM DTT
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting
Image 1.

