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Datasheet for ABIN7318202

BMPR1A Protein (His tag,Fc Tag)

Overview

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

Product Details

Purpose:	Recombinant Human BMPRIA/ALK-3 Protein (Fc & His Tag)
Sequence:	Gln24-Arg152
Characteristics:	Recombinant Human 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 reducing 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: Bone Morphogenetic Protein Receptor Type-1A (BMPR1A) belongs to the TKL Ser/Thr protein kinase family and TGFB receptor subfamily, including the type I receptors

Target Details

BMPR1A and BMPR1B and the type II receptor BMPR2. BMPR1A is a single-pass type I membrane protein and highly expressed in skeletal muscle. BMPR1A contains one GS domain and one protein protein kinase domain. BMPR1A is necessary for the extracellular matrix deposition by osteoblasts. BMPR1A can activate SMAD transcriptional regulators, binding with ligands. Defects in BMPR1A are a cause of juvenile polyposis syndrome, Cowden disease and hereditary mixed polyposis syndrome 2 (HMPS2).

Synonym: Bone Morphogenetic Protein Receptor Type-1A, BMP Type-1A Receptor, BMPR-1A, Activin Receptor-Like Kinase 3, ALK-3, Serine/Threonine-Protein Kinase Receptor R5, SKR5, CD292, BMPR1A, ACVRLK3, ALK3,10q23del

Molecular Weight: 42.1 kDa

UniProt: [P36894](#)

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 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.