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Datasheet for ABIN7318203

BMPR2 Protein (His tag,Fc Tag)

Overview

Quantity:	50 µg
Target:	BMPR2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BMPR2 protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Human BMPR2 Protein (Fc & His Tag)
Sequence:	Ser27-Ile151
Characteristics:	Recombinant Human Bone morphogenetic protein receptor type IIA is produced by our Mammalian expression system and the target gene encoding Ser27-Ile151 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:	BMPR2
Alternative Name:	BMPR2 (BMPR2 Products)
Background:	Background: Bone Morphogenetic Protein Receptor II (BMPR-II) is a Type II Serine/Threonine Kinase that mediates cellular responses to BMPs. BMPR-II is characterized by lacking of a GS

Target Details

domain, and presence of a C-terminal extension typical of type II receptors. BMPRII binds BMP2, BMP4 and BMP7 weakly in the absence of type I receptor, and the binding can be facilitated by the presence of the type I receptor, including BMPRI-IA/Brk1, BMPRI-B, and ActR-I. BMPRII plays a key role in cell growth. Defects in BMPRII have been linked to primary pulmonary hypertension. Human and mouse BMPRII are highly conserved and share 97 % amino acid sequence identity.

Synonym: BMPRII,BMPRI3,BMPRI2,BRK-3,POVD1,PPH1,T-ALK

Molecular Weight: 41.9 kDa

UniProt: [Q13873](#)

Pathways: [Growth Factor Binding](#)

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.