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Datasheet for ABIN7319361 BMPR2 Protein (His tag)

Overview

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

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant Human BMPR2 Protein (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 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: 15.1 kDa

NCBI Accession: [NP_001195](#)

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.