

Recombinant Human Bone Morphogenetic Protein Receptor Type IIA Protein

Cat.NO.: TP04702

3th Edition

Synonyms:Bone Morphogenetic Protein Receptor Type-2; BMP Type-2 Receptor; BMPR-2; Bone Morphogenetic Protein Receptor Type II; BMP Type II Receptor; BMPR-II; BMPR2; PPH1

Description: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 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 BMPR-IA/Brk1, BMPR-IB, and ActR-I. BMPR-II plays a key role in cell growth. Defects in BMPR-II have been linked to primary pulmonary hypertension. Human and mouse BMPR-II are highly conserved and share 97 % amino acid sequence identity.

Form:PBS

Molecular Weight:15.1 kDa

Sequences:Ser27-Ile151

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.