

Product datasheet for **TP727941**

BMPR2 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human BMP Receptor II/BMPR2/PPH1 (C-Fc-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser27-Ile151
Tag:	C-Fc&His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	659
UniProt ID:	Q13873
Summary:	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.



[View online »](#)