

## 32-7281: Recombinant Human BMP Receptor II/BMPRII/PPH1 (C-6His)(Discontinued)

**Gene :** BMPRII  
**Gene ID :** 659  
**Uniprot ID :** Q13873

### Description

Source: Human Cells.  
MW :15.05kD.

Recombinant Human BMP Receptor II is produced by our Mammalian expression system and the target gene encoding Ser27-Ile151 is expressed with a 6His tag at the C-terminus. Bone Morphogenetic Protein Receptor II (BMPRII) is a Type II Serine/Threonine Kinase that mediates cellular responses to BMPs. BMPRII 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 BMPRI/Brk1, BMPRII, and ActRI. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** SQNQERLCAFKDPYQDLGIGESRISHENGTLCSKGSTCYGLWEKSKGDINLVKQGCWWSHIGDPQECHYEECVVTTTPPSIQNGTYRFCCSTDLNFTENFPPDTPPLSPHSFNRDETIVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.