

32-7955: Recombinant Human BMP Receptor II/BMPR2/PPH1 (C-Fc-6His)(Discontinued)

Gene : BMPR2

Gene ID : 659

Uniprot ID : Q13873

Description

Source: Human Cells.

MW :41.9kD.

Recombinant Human BMP Receptor II 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. 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.

Product Info

Amount : 6His) / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

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 : SQNQERLCAFKDPYQQDLGIGESRISHENGTLCSKGSTCYGLWEKSKGDINLVKQGCWSHIGDP
QECHYEECVVTTTPPSIQNGTYRFCCSTDLCNVNFTENFPPDTPPLSPPHSFNRDETIVDDIEGR
MDEPKSCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWY
VDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPR
EPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGDSFFLYSKL
TVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHH

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 Åµg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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