

Recombinant Human BMPR2 Protein, His-tagged

Cat. No. BMPR2-868H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMPR2(Ser27-Ile151) fused with His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	27-151 a.a.
Description	This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. The ligands of this receptor are BMPs, which are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of two different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. Mutations in this gene have been associated with primary pulmonary hypertension, both familial and fenfluramine-associated, and with pulmonary venoocclusive disease.
Form	Lyophilized from a 0.2 μ M filtered solution of 20mM Phosphate buffer, 150mM NaCl, pH 7.4. Stable for at least 6 months from date of receipt under proper storage and handling conditions.

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Molecular Mass	15.0 kDa
Endotoxin	< 0.1 EU per µg protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Resuspend the protein to the desired concentration in proper buffer.
GENE INFORMATION	
Gene Name	BMPR2 bone morphogenetic protein receptor, type II (serine/threonine kinase) [Homo sapiens]
Official Symbol	BMPR2
Synonyms	BMPR2; bone morphogenetic protein receptor, type II (serine/threonine kinase); PPH1, primary pulmonary hypertension 1; bone morphogenetic protein receptor type-2; BMPR II; BMPR3; BRK 3; T ALK; BMPR-2; BMP type-2 receptor; BMP type II receptor; type II activin receptor-like kinase; bone morphogenetic protein receptor type II; type II receptor for bone morphogenetic protein-4; BMR2; PPH1; BRK-3; T-ALK; BMPR-II; FLJ41585; FLJ76945;
Gene ID	659
mRNA Refseq	NM_001204
Protein Refseq	NP_001195
MIM	600799
UniProt ID	Q13873

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