

Recombinant Human BMPR2 Protein, GST-tagged

Cat. No. BMPR2-287H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BMPR2 (NP_001195.2, 174 a.a. - 1038 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Sf21 Cells
ProteinLength	174-1038 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	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Molecular Mass	123 kDa

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Purity	69 % by SDS-PAGE/CBB staining
Quality Control Test	Loading 1 ug protein in SDS-PAGE
Notes	Result of activity analysis
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
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

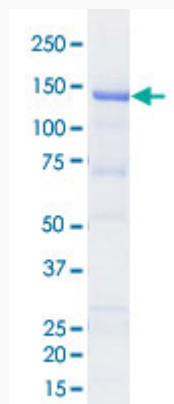
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UniProt ID

Q13873

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