

Recombinant Human BMPR2 Protein, MYC/DDK-tagged

Cat. No. BMPR2-2707H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMPR2 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
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	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	112.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name BMPR2 bone morphogenetic protein receptor, type II (serine/threonine kinase) [Homo sapiens]

Official Symbol BMPR2

Synonyms BMPR-II; BMPR3; BMR2; BRK-3; POVD1; PPH1; T-ALK

Gene ID 659

mRNA Refseq NM_001204

Protein Refseq NP_001195

MIM 600799

UniProt ID Q13873

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