

Active Recombinant Human BMPR2 protein, His&hFc-tagged

Cat. No. BMPR2-133H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human BMPR2 protein(NP_001195.2)(Met 1-Ile 151) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-151 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human BMPR-II-Fc at 10 µg/mL (100 µl/well) can bind biotinylated human BMP2-Fc, The EC50 of biotinylated human BMP2-Fc is 80-110 ng/mL.
Molecular Mass	The recombinant human BMPR-II/Fc is a disulfide-linked homodimer. The reduced monomer consists of 373 amino acids and has a predicted molecular mass of 42 kDa. As a result of glycosylation, the apparent molecular mass of rh BMPR-II/Fc monomer migrates with an apparent molecular mass of 60-65 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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](#)

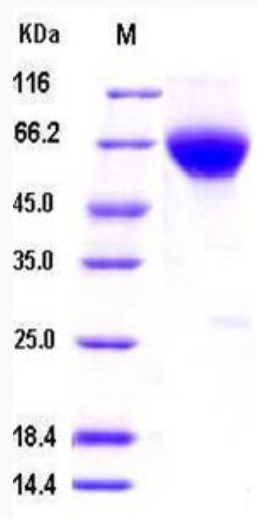
UniProt ID [Q13873](#)

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SDS-PAGE



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