

## Recombinant Human BMPR2 protein, His-tagged

Cat. No. BMPR2-10258H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BMPR2 protein(172-504 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	172-504 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
<b>AASequence</b>	YRMLTGDRKQGLHSMNMMEAAASEPSLDLDNLKLELIGRGRYGAVYKGSlderPV AVKVFSFANRQNFINEKNIYRVPLMEHDNIARFIVGDERVTADGRMEYLLVMEYYPN GSLCKYLSLHTSDWVSSCRLAHSVTRGLAYLHTELPRGDHYKPAISHRDLNSRNVLV KNDGTCVISDFGLSMRLTGNRLVRPGEEDNAAISEVGTIRYMAPEVLEGAVNLRDCE SALKQVDMYALGLIYWEIFMRCTDLFPGESVPEYQMAFQTEVGNHPTFEDMQVLVS REKQRPKFPEAWKENS LAVRSLKETIEDCWDQDAEARLTAQCAEERMAEL
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## 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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