

Recombinant Human BMPR2 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human BMPR2 protein(172-504 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	172-504 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 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.
AASequence	YRMLTGDRKQGLHSMNMMEAASEPSLDLDNLKLELIGRGRYGAVYKGSlderPV AVKVFSFANRQNFINEKNIYRVPLMEHDNIARFIVGDERVTADGRMEYLLVMEYYPN GSLCKYLSLHTSDWVSSCRLAHSVTRGLAYLHTELPRGDHYKPAISHRDLNSRNVLV KNDGTCVISDFGLSMRLTGNRVLRPGEDNAAISEVGTIRYMAPEVLEGAVNLRDCE SALKQVDMYALGLIYWEIFMRCTDLFPGESVPEYQMAFQTEVGNHPTFEDMQVLVS REKQRPKFPEAWKENS LAVRSLKETIEDCWDQDAEARLTAQCAEERMAEL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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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