

Product datasheet for **TP308673M**

BMPR2 (NM_001204) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human bone morphogenetic protein receptor, type II (serine/threonine kinase) (BMPR2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208673 protein sequence Red =Cloning site Green =Tags(s)

MTSSLQRPWRVPWLPWTILLVSTAAASQNQERLCAFKDPYQQDLGIGESRISHENGTLCSKGSTCYGLW
EKSKGDINLVKQGCWSHIGDPQECHYECCVTTTPPSIQNGTYRFCCSTDLCNVNFTENFPPDTPPLS
PPHSFNREDETHIALASVSVLAVLIVALCFGYRMLTGDRKQGLHSMNMMEAAASEPSLDLDNLKLELIG
RGRYGAVYKGSlderPVAVKVFsfANRQNFINEKNIYRVLMEHDNIARFIVGDERVTADGRMEYLLVME
YYPNGSLCKYLSLHTSDWVSSCRLAHSVTRGLAYLHTELPRGDHYKPAISHRDLNSRNVLVKNDGTCVIS
DFGLSMRLTGNRLVRPGEEDNAAISEVGTIRYMAPEVLEGAVNLRDCEALKQVDMYALGLIYWEIFMRC
TDLFPGESVPEYQMAFQTEVGNHPTFEDMQVLVSREKQRPKFPKPEAWKENS LAVRSLKETIEDCWDQDAEA
RLTAQCAEERMAELMMIWERNKSVSPTVNPSTAMQNERNLSHNRRVPKIGPYPDYSSSSYIEDSIHHTD
SIVKNISSEHSMSTPLTIGEKNRNSINYERQQAQARIPSPETSVTSLSTNTTTTNTTGLTPSTGMTTIS
EMPYPDETNLHTTNVAQSIGPTPVCLQLTEEDLETNKLDPKVEVDKNLKESSDENLMEHSLKQFSGPDPLS
STSSLLYPLIKLAVEATGQQDFTQTANGQACLIPDVLPQTQIYPLPKQQLPKRPTSLPLNTKNSTKEPR
LKFGSKHKSNLQVETGVAKMNTINAAEPHVVTVMNGVAGRNVSHVNSHAATTQYANGTVLSGQTTNIVT
HRAQEMLQNQFIGEDTRLNINSSPDEHEPLLREQQAGHDEGLDRLVDRRERPLEGGRTNSNNNNNSNPC
SEQDVLAQGVSTAADPGPSKPRRAQRPNSLDLSATNVLDGSSIQIGESTQDGKSGSGEKIKKRVKTPYS
LKRWRPSTWVISTESLDCEVNNNGSNRAVHKSSTAVYLAEGGTATTMVSKDIGMNCL

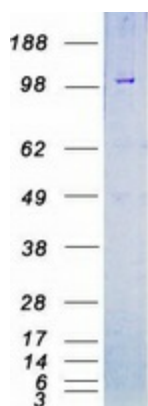
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	112.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001195
Locus ID:	659
UniProt ID:	Q13873
RefSeq Size:	12086
Cytogenetics:	2q33.1-q33.2
RefSeq ORF:	3114
Synonyms:	BMPR-II; BMPR3; BMR2; BRK-3; POVD1; PPH1; T-ALK
Summary:	This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. The ligands of this receptor 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. Mutations in this gene have been associated with primary pulmonary hypertension, both familial and fenfluramine-associated, and with pulmonary venoocclusive disease. [provided by RefSeq, May 2020]
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

Product images:

Coomassie blue staining of purified BMPR2 protein (Cat# [TP308673]). The protein was produced from HEK293T cells transfected with BMPR2 cDNA clone (Cat# [RC208673]) using MegaTran 2.0 (Cat# [TT210002]).