

## Product datasheet for PH308673

### BMP2 (NM\_001204) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BMP2 MS Standard C13 and N15-labeled recombinant protein (NP_001195)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208673
Predicted MW:	115.2 kDa
Protein Sequence:	>RC208673 protein sequence Red=Cloning site Green=Tags(s)

MTSSLQRPWRVPWLPWTILLVSTAAASQNQERLCAFKDPYQDDLIGESRISHENGITILCSKGSTCYGLW  
EKSKGDINLVKQGCWSHIGDPQECHYEECVTTTPPSIQNGTYRFCCSTDL CNVNFTENFPPTDTPLS  
PPHSFNREDETI IALASVSVLAVLIVALCFGYRMLTGDRKQGLHSMNMEEAAASEPSLDLNLKLELIG  
RGRYGAVYKGS LDERPVAVKVFSFANRQNFINEKNIYRVPLMEHDNIARFIVGDERVTADGRMEYLLVME  
YYPNGSLCKYLSLHTSDWVSSCRLAHSVTRGLAYLHTELPRGDHYKPAISHRDLNSRNVLVKNDGTCVIS  
DFGLSMRLTGNRLVRPGEEDNAAISEVGTIRYMAPEVLEGAVNLRDCESALKQVDMYALGLIYWEIFMRC  
TDLFPGESVPEYQMAFQTEVGNHPTFEDMQVLVSREKQRPKFPPEAWKENS LAVRSLKETIEDCWDQDAEA  
RLTAQCAEERMAELMMI WERNKSVSPTVNPMTAMQNERNLSHNRVVKIPYDPYSSSSYIEDSIHHTD  
SIVKNISSEHMSSTPLTIGEKNRNSINYERQQAQARIPSPETS VTSLSNTNTTTNTTGLTPSTGMTTIS  
EMPYPDETNLHTTNVAQSIGPTPVCLQLTEEDLETNKLDPKEVDKNLKESSDENLMEHSLKQFSGDPPLS  
STSSLLYPLIKLAVEATGQQDFQTANGQA CLIPDVLPTQIYPLPKQQNLPKRPTSLPLNTKNSTKEPR  
LKFGSKHKS NLKQVETGVAKMNTINAAEPHVVTVMNGVAGRNVSNSHAATTQYANGTVLSGQTTNIIVT  
HRAQEMLQNF IGEDTRLNINSSPDEHEPLL RREQQAGHDEGLDRLVDRRERPLEGGRTNSNNNSNPC  
SEQDVL AQGVPSTAADPGPSKPRRAQRPNL DL SATNVL DGSSIQIGESTQDGKSGSGEKIKRVRTYPYS  
LKRWRPSTWVISTESLDCEVNNNGSNRAVHSKSS TAVYLAEGGTATTMVSKDIGMNC L

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

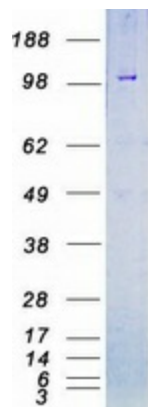
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001195</a>
RefSeq Size:	12086
RefSeq ORF:	3114
Synonyms:	BMPR-II; BMPR3; BMR2; BRK-3; POVD1; PPH1; T-ALK
Locus ID:	659
UniProt ID:	<a href="#">Q13873</a>
Cytogenetics:	2q33.1-q33.2
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]).