

Product datasheet for **TP526598**

Bmpr2 (NM_007561) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse bone morphogenetic protein receptor, type II (serine/threonine kinase) (Bmpr2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR226598 representing NM_007561
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MTSSLHRPFRVPWLLWAVLLVSTTAASQNQERLCAFKDPYQQDLGIGESRISHENGILCSKGSTCYGLW
EKSKGDINLVKQGCWSHIGDPQECHYECCVTTTTPPSIQNGTYRFCCCSTDLNVTNFENFPPPDTTPLS
PPHSFNRETIIALASVSVLAVLIVALCFGYRMLTGDRKQGLHSMNMMEAAAEPDLNLDNLKLELIG
RGRYGAVYKGSGLDERPVAVKVFSFANRQNFINEKNIYRVPLMEHDNIARFIVGDERLTADGRMEYLLVME
YYPNGSLCKYLSLHTSDWVSSCRLAHSVTRGLAYLHTELPRGDHYKPAISHRDLNSRNVLVKNKGACVIS
DFGLSMRLTGNLVRPGEEDNAAISEVGTIRYMAPEVLEGAVNLRDCESALKQVDMYALGLIYWEVFMRC
TDLFPGESVPDYQMAFQTEVGNHPTFEDMQVLVSREKQRPKFPPEAWKENS LAVRSLKETIEDCWDQDAEA
RLTAQCAEERMAELMMIWERNKSVSPTVNPMTAMQNERNLNRRVVPKIGPYPDYSSSSYIEDSIHHTD
SIVKNISSEHSMSSTPLTIGEKNRNSINYERQQAARIPSPETSVTLSLSTNTTTTNTTGLTPSTGMTTIS
EMPYPDETHLHATNVAQSIGPTPVCLQLTEEDLETNKLDPKEVDKNLKESSDENLMEHSLKQFSGPDPLS
STSSLLYPLIKLAVEVTGQQDFTAANGQAACLIPDVPPAQIYPLPKQQLPKRPTSLPLNTKNSTKEPR
LKFGNKHKSNLQVETGVAKMNTINAAEPHVVTMNGVAGRSHNVNSHAATTQYANGAVPAGQAANIVA
HRSQEMLQNQFIGEDTRLNINSSPDEHEPLLRREQQAGHDEGLDRLVDRRERPLEGGRTNSNNNNSNPC
SEQDILTQGVSTAADPGPSKPRRAQRPNLSDLSATNILDGSSIQIGESTQDGKSGSGEKIKRRVKTPYS
LKRWRPSTWVISTEPLDCEVNNNGSDRAVHKSSTAVYLAEGGTATTTVSKDIGMNCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	115.5 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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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 after receiving vials.
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_031587
Locus ID:	12168
UniProt ID:	Q35607 , Q3UG09 , Q3UER5 , Q3UU71
RefSeq Size:	3507
Cytogenetics:	1 C2
RefSeq ORF:	3114
Synonyms:	2610024H22Rik; AL117858; AW546137; BB189135; BM; BMP; BMP-; BMP-2; BMPR-2; BMPR-II; BMPRII; BRK-3; Gm20272
Summary:	This gene encodes a serine/threonine kinase that functions as a receptor for bone morphogenetic proteins (BMPs). The encoded protein is a type II receptor that binds extracellular BMPs and forms a complex of two type II and two type I receptors at the cell membrane. This complex signals downstream to activate SMAD transcriptional regulators. This signaling is important during embryonic development. Mutations in this gene can cause pulmonary hypertension. [provided by RefSeq, Mar 2013]