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Product datasheet for RC208673L3V

BMPR2 (NM_001204) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BMPR2 (NM_001204) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BMPR2
Synonyms:	BMPR-II; BMPR3; BMR2; BRK-3; POVD1; PPH1; T-ALK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001204
ORF Size:	3114 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208673).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001204.5
RefSeq Size:	12086 bp
RefSeq ORF:	3117 bp
Locus ID:	659
UniProt ID:	Q13873
Cytogenetics:	2q33.1-q33.2
Domains:	Activin_recp, pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane

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Protein Pathways: Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

MW: 115.2 kDa

Gene 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]