Product datasheet for MR226598L4V

Bmpr2 (NM_007561) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Bmpr2 (NM_007561) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Bmpr2
Synonyms:	2610024H22Rik; AL117858; AW546137; BB189135; BM; BMP; BMP-; BMP-2; BMPR-2; BMPR-II; BMPRII; BRK-3; Gm20272
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007561
ORF Size:	3114 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226598).
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_007561.4, NP_031587.1
RefSeq Size:	3507 bp
RefSeq ORF:	3117 bp
Locus ID:	12168
UniProt ID:	O35607
Cytogenetics:	1 C2

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Gene 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]