

## Product datasheet for **RC215795L4V**

### **BMP2K (NM\_198892) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	BMP2K (NM_198892) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BMP2K
Synonyms:	BIKE; HRIHFB2017
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_198892
ORF Size:	3483 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215795).
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. <a href="#">More info</a>
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:	<a href="#">NM_198892.1</a> , <a href="#">NP_942595.1</a>
RefSeq Size:	3859 bp
RefSeq ORF:	3486 bp
Locus ID:	55589
UniProt ID:	<a href="#">Q9NSY1</a>
Cytogenetics:	4q21.21
Protein Families:	Druggable Genome, Protein Kinase
MW:	129 kDa



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**Gene Summary:**

This gene is the human homolog of mouse BMP-2-inducible kinase. Bone morphogenic proteins (BMPs) play a key role in skeletal development and patterning. Expression of the mouse gene is increased during BMP-2 induced differentiation and the gene product is a putative serine/threonine protein kinase containing a nuclear localization signal. Therefore, the protein encoded by this human homolog is thought to be a protein kinase with a putative regulatory role in attenuating the program of osteoblast differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]