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Product datasheet for RC205995L3V

BMP2K (NM_017593) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BMP2K (NM_017593) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BMP2K
Synonyms:	BIKE; HRIHFB2017
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_017593
ORF Size:	1986 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205995).
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_017593.3, NP_060063.2
RefSeq Size:	2681 bp
RefSeq ORF:	1989 bp
Locus ID:	55589
UniProt ID:	Q9NSY1
Cytogenetics:	4q21.21
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

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MW: 73.9 kDa

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]