

Product datasheet for **RC207496L4V**

EEF2K (NM_013302) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	EEF2K (NM_013302) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EEF2K
Synonyms:	CaMKIII; eEF-2K; HSU93850
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013302
ORF Size:	2175 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207496).
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_013302.3
RefSeq Size:	7412 bp
RefSeq ORF:	2178 bp
Locus ID:	29904
UniProt ID:	O00418
Cytogenetics:	16p12.2
Domains:	Alpha_kinase
Protein Families:	Druggable Genome, Protein Kinase



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MW: 82.2 kDa

Gene Summary: This gene encodes a highly conserved protein kinase in the calmodulin-mediated signaling pathway that links activation of cell surface receptors to cell division. This kinase is involved in the regulation of protein synthesis. It phosphorylates eukaryotic elongation factor 2 (EEF2) and thus inhibits the EEF2 function. The activity of this kinase is increased in many cancers and may be a valid target for anti-cancer treatment. [provided by RefSeq, Jul 2008]