

Product datasheet for **RC216746L4V**

ANKK1 (NM_178510) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ANKK1 (NM_178510) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ANKK1
Synonyms:	PKK2; sgK288
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_178510
ORF Size:	2295 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216746).
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_178510.1
RefSeq Size:	2543 bp
RefSeq ORF:	2298 bp
Locus ID:	255239
UniProt ID:	Q8NFD2
Cytogenetics:	11q23.2
Protein Families:	Druggable Genome, Protein Kinase
MW:	84.5 kDa



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Gene Summary:

The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and protein kinase superfamily involved in signal transduction pathways. This gene is closely linked to DRD2 gene (GeneID:1813) on chr 11, and a well studied restriction fragment length polymorphism (RFLP) designated Taq1A, was originally associated with the DRD2 gene, however, later was determined to be located in exon 8 of ANKK1 gene (PMIDs: 18621654, 15146457), where it causes a nonconservative amino acid substitution. It is not clear if this gene plays any role in neuropsychiatric disorders previously associated with Taq1A RFLP. [provided by RefSeq, Sep 2009]