

Product datasheet for **RR212466L4V**

Nuak2 (NM_001007617) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nuak2 (NM_001007617) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Nuak2
Synonyms:	1200013b22rik; Snark; UV126
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001007617
ORF Size:	1890 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR212466).
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_001007617.1 , NP_001007618.1
RefSeq Size:	2900 bp
RefSeq ORF:	1893 bp
Locus ID:	289419
UniProt ID:	Q66HE5
Cytogenetics:	13q13



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Gene Summary:

Stress-activated kinase involved in tolerance to glucose starvation. Induces cell-cell detachment by increasing F-actin conversion to G-actin. Expression is induced by CD95 or TNF-alpha, via NF-kappa-B. Protects cells from CD95-mediated apoptosis and is required for the increased motility and invasiveness of CD95-activated tumor cells. Able to phosphorylate 'Ser-464' of LATS1 (By similarity).[UniProtKB/Swiss-Prot Function]