

Product datasheet for **RC201925L4V**

14 3 3 gamma (YWHAG) (NM_012479) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	14 3 3 gamma (YWHAG) (NM_012479) Human Tagged ORF Clone Lentiviral Particle
Symbol:	14 3 3 gamma
Synonyms:	14-3-3GAMMA; DEE56; EIEE56; PPP1R170
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_012479
ORF Size:	741 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201925).
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_012479.2
RefSeq Size:	3779 bp
RefSeq ORF:	744 bp
Locus ID:	7532
UniProt ID:	P61981
Cytogenetics:	7q11.23
Domains:	14-3-3
Protein Families:	Druggable Genome



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Protein Pathways: Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis

MW: 28.3 kDa

Gene Summary: This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the rat ortholog. It is induced by growth factors in human vascular smooth muscle cells, and is also highly expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways. [provided by RefSeq, Jul 2008]