

## Product datasheet for RC200245L4V

### 14-3-3 epsilon (YWHAE) (NM\_006761) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	14-3-3 epsilon (YWHAE) (NM_006761) Human Tagged ORF Clone Lentiviral Particle
Symbol:	YWHAE
Synonyms:	14-3-3E; HEL2; KCIP-1; MDCR; MDS
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
ACCN:	NM_006761
ORF Size:	765 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200245).
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. <a href="#">More info</a>
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:	<a href="#">NM_006761.3</a> , <a href="#">NP_006752.1</a>
RefSeq Size:	1827 bp
RefSeq ORF:	768 bp
Locus ID:	7531
Cytogenetics:	17p13.3
Domains:	14-3-3
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis
MW:	29.2 kDa



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**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 mouse ortholog. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, have been found for this gene. [provided by RefSeq, Aug 2008]