

## Product datasheet for **RC219186L3V**

### UNC13B (NM\_006377) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	UNC13B (NM_006377) Human Tagged ORF Clone Lentiviral Particle
Symbol:	UNC13B
Synonyms:	MUNC13; munc13-2; UNC13; Unc13h2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_006377
ORF Size:	4773 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219186).
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_006377.2</a>
RefSeq Size:	6328 bp
RefSeq ORF:	4776 bp
Locus ID:	10497
UniProt ID:	<a href="#">O14795</a>
Cytogenetics:	9p13.3
Domains:	C2, DAG_PE-bind
Protein Families:	Druggable Genome



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**MW:** 180.5 kDa

**Gene Summary:** This gene is expressed in the kidney cortical epithelial cells and is upregulated by hyperglycemia. The encoded protein shares a high level of similarity to the rat homolog, and contains 3 C2 domains and a diacylglycerol-binding C1 domain. Hyperglycemia increases the levels of diacylglycerol, which has been shown to induce apoptosis in cells transfected with this gene and thus contribute to the renal cell complications of hyperglycemia. Studies in other species also indicate a role for this protein in the priming step of synaptic vesicle exocytosis. [provided by RefSeq, Jul 2008]