

## Product datasheet for RC217261L3V

### CYB5R2 (NM\_016229) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	CYB5R2 (NM_016229) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CYB5R2
Synonyms:	B5R.2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_016229
ORF Size:	1304 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217261).
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_016229.2</a>
RefSeq Size:	1341 bp
RefSeq ORF:	831 bp
Locus ID:	51700
UniProt ID:	<a href="#">Q6BCY4</a>
Cytogenetics:	11p15.4
Domains:	NAD_binding_1, FAD_binding_6
Protein Families:	Druggable Genome


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**MW:** 21.54 kDa

**Gene Summary:** The protein encoded by this gene belongs to the flavoprotein pyridine nucleotide cytochrome reductase family of proteins. Cytochrome b-type NAD(P)H oxidoreductases are implicated in many processes including cholesterol biosynthesis, fatty acid desaturation and elongation, and respiratory burst in neutrophils and macrophages. Cytochrome b5 reductases have soluble and membrane-bound forms that are the product of alternative splicing. In animal cells, the membrane-bound form binds to the endoplasmic reticulum, where it is a member of a fatty acid desaturation complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]