

Product datasheet for **RC202378L4V**

Cytochrome b5 (CYB5A) (NM_148923) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cytochrome b5 (CYB5A) (NM_148923) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cytochrome b5
Synonyms:	CYB5; MCB5; METAG
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_148923
ORF Size:	402 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202378).
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_148923.2
RefSeq Size:	850 bp
RefSeq ORF:	405 bp
Locus ID:	1528
UniProt ID:	P00167
Cytogenetics:	18q22.3
Protein Families:	Transmembrane
MW:	15.3 kDa



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Gene Summary:

The protein encoded by this gene is a membrane-bound cytochrome that reduces ferric hemoglobin (methemoglobin) to ferrous hemoglobin, which is required for stearyl-CoA-desaturase activity. Defects in this gene are a cause of type IV hereditary methemoglobinemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]