

Product datasheet for **RC201988L4V**

NDUFB3 (NM_002491) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NDUFB3 (NM_002491) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NDUFB3
Synonyms:	B12; CI-B12; MC1DN25
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002491
ORF Size:	294 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201988).
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_002491.1
RefSeq Size:	770 bp
RefSeq ORF:	297 bp
Locus ID:	4709
UniProt ID:	O43676
Cytogenetics:	2q33.1
Protein Families:	Transmembrane



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Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	11.4 kDa
Gene Summary:	This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) which is the first enzyme in the electron transport chain of mitochondria. This protein localizes to the inner membrane of the mitochondrion as a single-pass membrane protein. Mutations in this gene contribute to mitochondrial complex 1 deficiency. Alternative splicing results in multiple transcript variants encoding the same protein. Humans have multiple pseudogenes of this gene. [provided by RefSeq, Mar 2012]