

## Product datasheet for **RC210642L4V**

### NDUFS5 (NM\_004552) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	NDUFS5 (NM_004552) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NDUFS5
Synonyms:	CI-15k; CI15K
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004552
ORF Size:	318 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210642).
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_004552.1</a>
RefSeq Size:	584 bp
RefSeq ORF:	321 bp
Locus ID:	4725
UniProt ID:	<a href="#">O43920</a>
Cytogenetics:	1p34.3
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease



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**MW:** 12.5 kDa

**Gene Summary:** This gene is a member of the NADH dehydrogenase (ubiquinone) iron-sulfur protein family. The encoded protein is a subunit of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. Alternative splicing results in multiple transcript variants and pseudogenes have been identified on chromosomes 1, 4 and 17. [provided by RefSeq, May 2010]