

Product datasheet for **RC202713L4V**

NDUFS4 (NM_002495) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NDUFS4 (NM_002495) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NDUFS4
Synonyms:	AQDQ; CI-18; CI-18 kDa; CI-AQDQ; MC1DN1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002495
ORF Size:	525 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202713).
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_002495.1
RefSeq Size:	676 bp
RefSeq ORF:	528 bp
Locus ID:	4724
UniProt ID:	O43181
Cytogenetics:	5q11.2
Domains:	ETC_CI_21
Protein Families:	Druggable Genome



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Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

MW: 20.1 kDa

Gene Summary: This gene encodes an nuclear-encoded accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I, or NADH:ubiquinone oxidoreductase). Complex I removes electrons from NADH and passes them to the electron acceptor ubiquinone. Mutations in this gene can cause mitochondrial complex I deficiencies such as Leigh syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]