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Product datasheet for RC207108L4V

NDUFS6 (NM_004553) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NDUFS6 (NM_004553) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NDUFS6
Synonyms:	CI-13kA; CI-13kD-A; CI13KDA; MC1DN9
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004553
ORF Size:	372 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207108).
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_004553.2
RefSeq Size:	554 bp
RefSeq ORF:	375 bp
Locus ID:	4726
UniProt ID:	O75380
Cytogenetics:	5p15.33
Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

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MW: 13.7 kDa

Gene Summary: This gene encodes a subunit of the NADH:ubiquinone oxidoreductase (complex I), which is the first enzyme complex in the electron transport chain of mitochondria. This complex functions in the transfer of electrons from NADH to the respiratory chain. The subunit encoded by this gene is one of seven subunits in the iron-sulfur protein fraction. Mutations in this gene cause mitochondrial complex I deficiency, a disease that causes a wide variety of clinical disorders, including neonatal disease and adult-onset neurodegenerative disorders. [provided by RefSeq, Oct 2009]