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Product datasheet for RC203279L3V

NDUFS7 (NM_024407) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NDUFS7 (NM_024407) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NDUFS7
Synonyms:	CI-20; CI-20KD; MC1DN3; MY017; PSST
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_024407
ORF Size:	639 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC203279).`
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_024407.3, NP_077718.2
RefSeq Size:	799 bp
RefSeq ORF:	642 bp
Locus ID:	374291
UniProt ID:	O75251
Cytogenetics:	19p13.3
Domains:	oxidored_q6

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Protein Pathways:	Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	23.6 kDa
Gene Summary:	This gene encodes a protein that is a subunit of one of the complexes that forms the mitochondrial respiratory chain. This protein is one of over 40 subunits found in complex I, the nicotinamide adenine dinucleotide (NADH):ubiquinone oxidoreductase. This complex functions in the transfer of electrons from NADH to the respiratory chain, and ubiquinone is believed to be the immediate electron acceptor for the enzyme. Mutations in this gene cause Leigh syndrome due to mitochondrial complex I deficiency, a severe neurological disorder that results in bilaterally symmetrical necrotic lesions in subcortical brain regions. [provided by RefSeq, Jul 2008]