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Product datasheet for RC202685L3V

UQCRB (NM_006294) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	UQCRB (NM_006294) Human Tagged ORF Clone Lentiviral Particle
Symbol:	UQCRB
Synonyms:	MC3DN3; QCR7; QP-C; QPC; UQBC; UQBP; UQCR6; UQPC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_006294
ORF Size:	333 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC202685).`
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_006294.2
RefSeq Size:	4839 bp
RefSeq ORF:	336 bp
Locus ID:	7381
UniProt ID:	P14927
Cytogenetics:	8q22.1
Domains:	UCR_14kD

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Protein Pathways:	Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	13.5 kDa
Gene Summary:	This gene encodes a subunit of the ubiquinol-cytochrome c oxidoreductase complex, which consists of one mitochondrial-encoded and 10 nuclear-encoded subunits. The protein encoded by this gene binds ubiquinone and participates in the transfer of electrons when ubiquinone is bound. This protein plays an important role in hypoxia-induced angiogenesis through mitochondrial reactive oxygen species-mediated signaling. Mutations in this gene are associated with mitochondrial complex III deficiency. Alternatively spliced transcript variants have been found for this gene. Related pseudogenes have been identified on chromosomes 1, 5 and X. [provided by RefSeq, Dec 2011]