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Product datasheet for RC225206L1V

PARK7 (NM_001123377) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PARK7 (NM_001123377) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PARK7
Synonyms:	DJ-1; DJ1; GATD2; HEL-S-67p
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001123377
ORF Size:	567 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC225206).`
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_001123377.1, NP_001116849.1
RefSeq Size:	921 bp
RefSeq ORF:	570 bp
Locus ID:	11315
UniProt ID:	Q99497
Cytogenetics:	1p36.23
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Parkinson's disease

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MW: 19.9 kDa

Gene Summary: The product of this gene belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It may also function as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. Defects in this gene are the cause of autosomal recessive early-onset Parkinson disease 7. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]