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Product datasheet for RC230055L3V

p53R2 (RRM2B) (NM_001172477) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	p53R2 (RRM2B) (NM_001172477) Human Tagged ORF Clone Lentiviral Particle
Symbol:	p53R2
Synonyms:	MTDPS8A; MTDPS8B; P53R2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001172477
ORF Size:	1269 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230055).
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_001172477.1, NP_001165948.1
RefSeq ORF:	1272 bp
Locus ID:	50484
UniProt ID:	Q7LG56
Cytogenetics:	8q22.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Glutathione metabolism, Metabolic pathways, p53 signaling pathway, Purine metabolism, Pyrimidine metabolism

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MW:	49.2 kDa
Gene Summary:	This gene encodes the small subunit of a p53-inducible ribonucleotide reductase. This heterotetrameric enzyme catalyzes the conversion of ribonucleoside diphosphates to deoxyribonucleoside diphosphates. The product of this reaction is necessary for DNA synthesis. Mutations in this gene have been associated with autosomal recessive mitochondrial DNA depletion syndrome, autosomal dominant progressive external ophthalmoplegia-5, and mitochondrial neurogastrointestinal encephalopathy. Alternatively spliced transcript variants have been described.[provided by RefSeq, Feb 2010]