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Product datasheet for RC200390L3V

DDB2 (NM_000107) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DDB2 (NM_000107) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DDB2
Synonyms:	DDBB; UV-DDB2; XPE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000107
ORF Size:	1281 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200390).
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_000107.1
RefSeq Size:	1870 bp
RefSeq ORF:	1284 bp
Locus ID:	1643
UniProt ID:	Q92466
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome
Protein Pathways:	Nucleotide excision repair, p53 signaling pathway, Ubiquitin mediated proteolysis

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MW: 47.9 kDa

Gene Summary: This gene encodes a protein that is necessary for the repair of ultraviolet light-damaged DNA. This protein is the smaller subunit of a heterodimeric protein complex that participates in nucleotide excision repair, and this complex mediates the ubiquitylation of histones H3 and H4, which facilitates the cellular response to DNA damage. This subunit appears to be required for DNA binding. Mutations in this gene cause xeroderma pigmentosum complementation group E, a recessive disease that is characterized by an increased sensitivity to UV light and a high predisposition for skin cancer development, in some cases accompanied by neurological abnormalities. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]