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Product datasheet for RC209620L4V

MDMX (MDM4) (NM_002393) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MDMX (MDM4) (NM_002393) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MDMX
Synonyms:	BMFS6; HDMX; MDMX; MRP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002393
ORF Size:	1470 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC209620).`
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_002393.2
RefSeq Size:	2554 bp
RefSeq ORF:	1473 bp
Locus ID:	4194
UniProt ID:	O15151
Cytogenetics:	1q32.1
Domains:	SWIB
Protein Families:	Druggable Genome, Transcription Factors

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Protein Pathways: p53 signaling pathway

MW: 54.7 kDa

Gene Summary: This gene encodes a nuclear protein that contains a p53 binding domain at the N-terminus and a RING finger domain at the C-terminus, and shows structural similarity to p53-binding protein MDM2. Both proteins bind the p53 tumor suppressor protein and inhibit its activity, and have been shown to be overexpressed in a variety of human cancers. However, unlike MDM2 which degrades p53, this protein inhibits p53 by binding its transcriptional activation domain. This protein also interacts with MDM2 protein via the RING finger domain, and inhibits the latter's degradation. So this protein can reverse MDM2-targeted degradation of p53, while maintaining suppression of p53 transactivation and apoptotic functions. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Feb 2011]