

Product datasheet for **MR210774L3V**

Ddx42 (NM_028074) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ddx42 (NM_028074) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ddx42
Synonyms:	1810047H21Rik; AW319508; AW556242; B430002H05Rik; RHELP; RNAHP; SF3b125
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_028074
ORF Size:	2787 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210774).
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_028074.4 , NP_082350.3
RefSeq Size:	4028 bp
RefSeq ORF:	2790 bp
Locus ID:	72047
UniProt ID:	Q810A7
Cytogenetics:	11 E1



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Gene Summary:

ATP-dependent RNA helicase. Binds to partially double-stranded RNAs (dsRNAs) in order to unwind RNA secondary structures. Unwinding is promoted in the presence of single-strand binding proteins. Mediates also RNA duplex formation thereby displacing the single-strand RNA binding protein. ATP and ADP modulate its activity: ATP binding and hydrolysis by DDX42 triggers RNA strand separation, whereas the ADP-bound form of the protein triggers annealing of complementary RNA strands. Involved in the survival of cells by interacting with TP53BP2 and thereby counteracting the apoptosis-stimulating activity of TP53BP2. Relocalizes TP53BP2 to the cytoplasm (By similarity).[UniProtKB/Swiss-Prot Function]