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Product datasheet for RC217615L2V

DDX58 (NM_014314) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DDX58 (NM_014314) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DDX58
Synonyms:	RIG-I; RIG1; RIGI; RLR-1; SGMRT2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_014314
ORF Size:	2775 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217615).
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_014314.2
RefSeq Size:	4372 bp
RefSeq ORF:	2778 bp
Locus ID:	23586
UniProt ID:	O95786
Cytogenetics:	9p21.1
Domains:	DEAD, helicase_C
Protein Pathways:	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway

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MW: 106.4 kDa

Gene Summary: DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases which are implicated in a number of cellular processes involving RNA binding and alteration of RNA secondary structure. This gene encodes a protein containing RNA helicase-DEAD box protein motifs and a caspase recruitment domain (CARD). It is involved in viral double-stranded (ds) RNA recognition and the regulation of the antiviral innate immune response. Mutations in this gene are associated with Singleton-Merten syndrome 2. [provided by RefSeq, Aug 2020]