

## Product datasheet for **RC217615L3V**

### 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: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_014314.2</a>  |
| RefSeq Size:              | 4372 bp  |
| RefSeq ORF:               | 2778 bp  |
| Locus ID:                 | 23586  |
| UniProt ID:               | <a href="#">O95786</a>   |
| 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]