

Product datasheet for TL305072

OriGene Technologies, Inc.

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DDX17 Human shRNA Plasmid Kit (Locus ID 10521)

Product data:

Product Type: shRNA Plasmids

Product Name: DDX17 Human shRNA Plasmid Kit (Locus ID 10521)

Locus ID: 10521

Synonyms: P72; RH70

Vector: pGFP-C-shLenti (TR30023)

E. coli Selection: Chloramphenicol (34 ug/ml)

Mammalian Cell Selection:

Puromycin

Format:

Lentiviral plasmids

Components: DDX17 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 10521).

5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.

RefSeq: NM 001098504, NM 001098505, NM 006386, NM 030881, NM 006386.1, NM 006386.2,

NM 006386.3, NM 006386.4, NM 001098504.1, NM 001098505.1, NM 030881.2,

NM 030881.3, BC000595, BC000595.2, BC029553, BC045747, NM 001098504.2, NM 006386.5

UniProt ID: Q92841

Summary: DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are

putative RNA helicases. They are implicated in a number of cellular processes involving

alteration of RNA secondary structure, such as translation initiation, nuclear and

mitochondrial splicing, and ribosome and splicesosome assembly. Based on their distribution

patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which is an ATPase activated by a variety of RNA species, but not by dsDNA. This protein, and

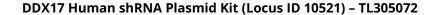
that encoded by DDX5 gene, are more closely related to each other than to any other member of the DEAD box family. This gene can encode multiple isoforms due to both alternative splicing and the use of alternative translation initiation codons, including a non-

AUG (CUG) start codon. [provided by RefSeq, Apr 2011]

shRNA Design: These shRNA constructs were designed against multiple splice variants at this gene locus. To

be certain that your variant of interest is targeted, please contact <u>techsupport@origene.com</u>. If you need a special design or shRNA sequence, please utilize our <u>custom shRNA service</u>.







Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).