

Product datasheet for **TP309448L**

DDX47 (NM_016355) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human DEAD (Asp-Glu-Ala-Asp) box polypeptide 47 (DDX47), transcript variant 1, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC209448 protein sequence
Red=Cloning site **Green**=Tags(s)

MAAPEEHDSPTEASQPIVEEEETKTFKDLGVTDVLCACDQLGWTKPTKIQIEAIPALQGRDIIGLAET
GSGKTGAFALPILNALLETPQRLFALVLTPTRELAQISEQFEALGSSIGVQSAVIVGGIDSMSQSLALA
KKPHIIATPGRLLDHLENTKGFNLRAKYLVMDEADRILNMDFETEVDKILKVIPRDRKTLFSATMTK
KVQKLQRAALKNPVKCAVSSKYQTVEKLQYYIFIPSKFKDTYLVYILNELAGNSFMIFCSTCNNTQRTA
LLLRLNLGFTAIPLHGQMSQSKRLGSLNKFKAARSILLATDVASRGLDIPHVDVVNFDIPTHSKDYIHR
VGRTARAGRSGKAITFVTQYDVELFQRIEHLIGKKLPGFPTQDDEVMMLTERVAEAQRFAEMELREHGEK
KKRSREDAGDNDDETEGAIGVRNKVAGGKMKKRKGR

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 50.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_057439](#)

Locus ID: 51202

UniProt ID: [Q9H0S4](#)

RefSeq Size: 1836

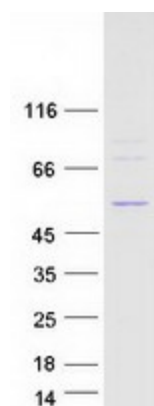
Cytogenetics: 12p13.1

RefSeq ORF: 1365

Synonyms: E4-DBP; HQ0256; MSTP162; RRP3

Summary: This gene encodes a member of the DEAD box protein family. 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 spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene can shuttle between the nucleus and the cytoplasm, and has an RNA-independent ATPase activity. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified DDX47 protein (Cat# [TP309448]). The protein was produced from HEK293T cells transfected with DDX47 cDNA clone (Cat# [RC209448]) using MegaTran 2.0 (Cat# [TT210002]).