

Product datasheet for **TP301898**

DDX41 (NM_016222) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DEAD (Asp-Glu-Ala-Asp) box polypeptide 41 (DDX41), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201898 protein sequence Red =Cloning site Green =Tags(s)

MEESEPERKRARTDEVPAGGSRSEAEDDEDYVPYVPLRQRRQLLLQKLLQRRRKGAEEEEQQDSGSEP
 RGDEDDIPLGPQSNVSLLDQHQLKEKAEARKESAKEKQLKEEEKILESVAEGRALMSVKEMAKGITYDD
 PIKTSWTPPRYVLSMSEERHERVRKKYHILVEGDGIPPIKSFKEMKFPAAILRGLKKKGIIHPTPIQIQ
 GIPTILSGRDMIGIAFTGSGKTLVFTLPVIMFCLEQEKRLPFSKREGPYGLIICPSRELARQTHGILEYY
 CRLLQEDSSPLLRCALCIGGMSVKEQMETIRHGVHMMVATPGRLMDLLQKKMVSLDICRYLALDEADRM
 I
 DMGFEGDIRTIFS YFKGQRQTLLFSATMPKKIQNFAKSALVKPVTINVGRAGAASLDVIQEVVEYVKEEAK
 MVYLLECLQKTPPPVLIFAEEKADVDAIHEYLLKGV EAVAIHGGKDQEERTKAIEAFREGKKDVLVATD
 VASKGLDFPAIQHVINYDMPEEIENYVHRIGRTGRSGNTGIATTFINKACDESVLMDLKALLLEAKQKVP
 PVLQVLHCGDESMLDIGGERGCAFCGGLGHRITDCPKLEAMQTKQVSNIGRKDYLAHSSMDF

TRTRPLE**QKLISEEDLA**ANDILDYKDDDDKV

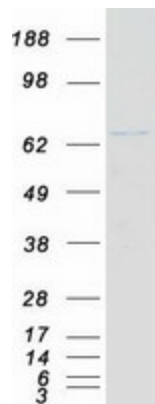
Tag:	C-Myc/DDK
Predicted MW:	69.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_057306</u>
Locus ID:	51428
UniProt ID:	<u>Q9UJV9</u>
RefSeq Size:	2118
Cytogenetics:	5q35.3
RefSeq ORF:	1866
Synonyms:	ABS; MPLPF
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 spliceosome assembly. Based on their distribution patterns, some members of the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene is a member of the DEAD box protein family and interacts with several spliceosomal proteins. In addition, the encoded protein may recognize the bacterial second messengers cyclic di-GMP and cyclic di-AMP, resulting in the induction of genes involved in the innate immune response. [provided by RefSeq, Jan 2017]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified DDX41 protein (Cat# TP301898). The protein was produced from HEK293T cells transfected with DDX41 cDNA clone (Cat# [RC201898]) using MegaTran 2.0 (Cat# [TT210002]).