

Product datasheet for PH301898

DDX41 (NM_016222) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | DDX41 MS Standard C13 and N15-labeled recombinant protein (NP_057306) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC201898 |
| Predicted MW: | 69.8 kDa |
| Protein Sequence: | >RC201898 protein sequence Red=Cloning site Green=Tags(s) |

MEESEPERKRARTDEVPAGGSRSEAEDDEDEDYVPYVPLRQRRQLLLQKLLQRRRKGAEEEEQQDSGSEP
RGDEDDIPLGPQSNVSLLDQHQLKEKAEARKESAKEKQLKEEEKILESVAEGRALMSVKEMAKGITYDD
PIKTSWTPPRYVLSMSEERHERVRKKYHILVEGDGIPPPIKSFKEMKFPAAILRGLKKKGIHPTPIQIQ
GIPTILSGRDMIGIAFTGSGKTLVFTLPVIMFCLEQEKRLPFSKREGPYGLIICPSRELARQTHGILEYY
CRLLEDSSPLLRCALCIGGMSVKEQMETIRHGVHMMVATPGRLMDLLQKKMVSLDICRYLALDEADDMI
DMGFEGDIRTIFSYFKGQRQTLLFSATMPKKIQNFAKSALVKPVTINVGRAGAASLDVIQVEVYKKEAK
MYYLLECLQKTPPPVLIFAEEKADVDAIHEYLLKGVAVAIHGGKQDEERTKAIEAFREGKDVLVATD
VASKGLDFPAIQHVINYDMPPEEIEYVHRIGRTGRSGNTGIATTFINKACDESVMDLKALLLEAKQKVP
PVLQVLHCGDESMLDIGGERGCAFCGGLGHRITDCPKLEAMQTKQVSNIGRKDYLAHSSMDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_057306 |
| RefSeq Size: | 2118 |
| RefSeq ORF: | 1866 |



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Synonyms: ABS; MPLPF

Locus ID: 51428

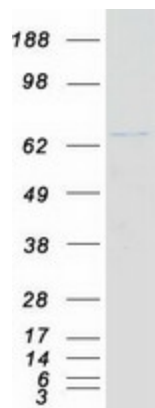
UniProt ID: [Q9UJV9](#)

Cytogenetics: 5q35.3

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]).