Recombinant Full Length Human DDX41 Protein, C-Flag-tagged

Cat. No. DDX41-2054HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DDX41 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	69.7 kDa
AA Sequence	MEESEPERKRARTDEVPAGGSRSEAEDEDDEDYVPYVPLRQRRQLLLQKLLQRRR KGAAEEEQQDSGSEP RGDEDDIPLGPQSNVSLLDQHQHLKEKAEARKESAKEKQL

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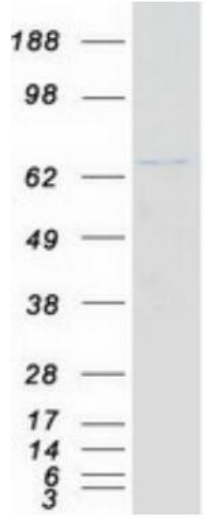
	KEEEKILESVAEGRALMSVKEMAKGITYDD PIKTSWTPPRYVLSMSEERHERVRKK YHILVEGDGIPPPIKSFKEMKFPAAILRGLKKKGIHHPTPIQIQ GIPTILSGRDMIGIAFT GSGKTLVFTLPVIMFCLEQEKRLPFSKREGPYGLIICPSRELARQTHGILEYY CRLLQ EDSSPLLRCALCIGGMSVKEQMETIRHGVHMMVATPGRLMDLLQKKMVSLDICRYL ALDEADRMI DMGFEGDIRTIFSYFKGQRQTLLFSATMPKKIQNFAKSALVKPVTINVG RAGAASLDVIQEVEYVKEEAK MVYLLECLQKTPPPVLIFAEKKADVDAIHEYLLLKGV EAVAIHGGKDQEERTKAIEAFREGKKDVLVATD VASKGLDFPAIQHVINYDMPEEIEN YVHRIGRTGRSGNTGIATTFINKACDESVLMDLKALLLEAKQKVP PVLQVLHCGDES MLDIGGERGCAFCGGLGHRITDCPKLEAMQTKQVSNIGRKDYLAHSSMDF TRTRPL EQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	DDX41 DEAD-box helicase 41 [Homo sapiens (human)]

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Official Symbol	DDX41
Synonyms	ABS; MPLPF
Gene ID	51428
mRNA Refseq	NM_016222.4
Protein Refseq	NP_057306.2
MIM	608170
UniProt ID	Q9UJV9



Coomassie blue staining of purified DDX41 protein.

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