

## Recombinant Human DDX58 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** DDX58-2702H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | DDX58 MS Standard C13 and N15-labeled recombinant protein (NP_055129) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases which are implicated in a number of cellular processes involving RNA binding and alteration of RNA secondary structure. This gene encodes a protein containing RNA helicase-DEAD box protein motifs and a caspase recruitment domain (CARD). It is involved in viral double-stranded (ds) RNA recognition and the regulation of immune response. |
| <b>Molecular Mass</b>   | 106.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MTTEQRRSLQAFQDYIRKTLDPITYILSYMAPWFREEEVQYIQAENKNGPMEAATLF<br>LKFLLELQEEGWFRGFLDALDHAGYSGLYEAIESWDFKKIEKLEERYLLKRLQPEFK<br>TRIIPTDIISDLSECLINQECCEEILQICSTKGMMAGAEKLVECLLRSDKENWPKTLKLAL<br>EKERNKFSELWIVEKGIKDVETEDLEDKMETSDIQIFYQEDPECQNLSNSCPPSEV<br>SDTNLYSPFKPRNYQLELALPAMKGKNTIICAPTGCGKTFVSLICEHHLKKFPQGQK<br>GKVVFANQIPVYEQQKSVFSKYFERHGYRVTGISGATAENVPVEQIVENNDIIILTPQ<br>ILVNNLKKGTIPSLSIFTLMIFDECHNTSKQHPYNMIMFNYLDQKLGGSSGPLPQVIGL               |

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TASVGVGDAKNTDEALDYICKLCASLDASVIATVKHNLEEEQVVYKPQKFFRKVES  
 RISDKFKYIIAQLMRDTESLAKRICKDLENLSQIQNREFGTQKYEQWIVTVQKACMVF  
 QMPDKDEESRICKALFLYTSHLRKYNDALIISEHARMKDALDYLKDFFSNVRAAGFDE  
 IEQDLTQRFEELQELESVSRDPSNENPKLEDLCFILQEEYHLNPETITILFVKTRALV  
 DALKNWIEGNPKLSFLKPGILTGRGKTNQNTGMTLPAQKCILDAFKASGDHNILIATS  
 VADEGIDIAQCNLVILYEYVGNVIKMIQTRGRGRARGSKCFLLTSNAGVIEKEQINMYK  
 EKMMNDSILRLQTWDEAVFREKILHIQTHEKFIRDSQEKPKPVPDKENKKLLCRKCK  
 ALACYTADVRVIEECHYTVLGDAFKECFVSRPHPKPKQFSSFEEKRAKIFCARQNCSSH  
 DWGIHVKYKTFEIPVIKIESFVVEDIATGVQTLYSKWKDFHFEKIPFDPAEMSKTRTRP  
 LEQKLISEEDLAANDILDYKDDDDKV

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

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** DDX58 DExD/H-box helicase 58 [ Homo sapiens (human) ]

**Official Symbol** DDX58

**Synonyms** DDX58; DEAD (Asp-Glu-Ala-Asp) box polypeptide 58; probable ATP-dependent RNA helicase DDX58; DKFZp434J1111; FLJ13599; retinoic acid inducible gene I; RIG I; RNA helicase RIG I; RIG-1; RNA helicase RIG-I; DEAD box protein 58; retinoic acid-

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inducible gene 1 protein; retinoic acid-inducible gene I protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide; RIG-I; DKFZp686N19181;

**Gene ID** 23586

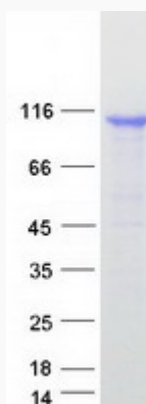
**mRNA Refseq** NM\_014314

**Protein Refseq** NP\_055129

**MIM** 609631

**UniProt ID** O95786

**SDS-PAGE**



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