

## Recombinant Human DDX39A Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** DDX39A-2455H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | DDX39 MS Standard C13 and N15-labeled recombinant protein (NP_005795) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | <p>This gene encodes a member of the DEAD box protein family. These proteins are characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD) and 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. This gene is thought to play a role in the prognosis of patients with gastrointestinal stromal tumors. A pseudogene of this gene is present on chromosome 13. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.</p> |
| <b>Molecular Mass</b>   | 49.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MAEQDVENDLLDYDEEEEPQAPQESTPAPPKKDIKGSYVSIHSSGFRDFLKPELLR<br>AIVDCGFEHPSEVQHECIPQAILGMDVLCQAKSGMGKTAVFVLATLQQIEPVNGQVT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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VLVMCHTRELAFQISKEYERFSKYMP SVKVS VFFGGLSIKKDEEVLKKNC PHVVVG T  
PGRILALVRNRSFSLKNVKHFVLDECDKM LEQLDMRRDVQEIFRLTPHEKQCMMFS  
ATLSKDIRPVCRKFMQDPMEVFVDDETKLTLHGLQQYYVKLKDSEKNRKLFDLLDVL  
EFNQVIIFVKSVQRCMALAQLLVEQNFP AIAIHRGMAQEERLSRYQQFKDFQRRILVA  
TNLFGRGMDIERVNIVFN YDMPEDSDTYLHRVARAGRFGTKGLAITFVSDENDAKIL  
NDVQDRFEVNVAELPEEIDISTYIEQSRT RTRPLEQKLISEEDLAANDILDYKDDDDKV

**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** DDX39A DExD-box helicase 39A [ Homo sapiens (human) ]

**Official Symbol** DDX39A

**Synonyms** DDX39A; DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A; DDX39, DEAD (Asp Glu Ala Asp) box polypeptide 39, DEAD/H (Asp Glu Ala Asp/His) box polypeptide 39; ATP-dependent RNA helicase DDX39A; BAT1L; DDXL; UAP56 related helicase; 49 kDa; URH49; DEAD box protein 39; nuclear RNA helicase URH49; UAP56-related helicase, 49 kDa; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 39; DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 transcript; nuclear RNA helicase, DECD variant of DEAD box family; BAT1; DDX39; MGC8417; MGC18203;

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|----------------|-------------------------------------------------------------------------------------|
| Gene ID        | 10212                                                                               |
| mRNA Refseq    | NM_005804                                                                           |
| Protein Refseq | NP_005795                                                                           |
| UniProt ID     | O00148                                                                              |
| SDS-PAGE       |  |