

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

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

SPECIFICATION

Product Overview	DDX39 MS Standard C13 and N15-labeled recombinant protein (NP_005795) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	49.1 kDa
AA Sequence	MAEQDVENDLLDYDEEEEPQAPQESTPAPPKKDIKGSYVSIHSSGFRDFLKPELLR AIVDCGFEHPSEVQHECIPQAILGMDVLCQAKSGMGKTAVFVLATLQQIEPVNGQVT

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VLVMCHTRELAFQISKEYERFSKYMP SVKVS VFFGGLSIKKDEEVLKKNC PHVVVG T
PGRILALVRNRSFSLKNVKH FVLDECDKM LEQLDMRRDVQE IFR LTPHEKQCMMFS
ATLSKDIRPVCRKFMQDPMEVFV DDETKL TLHGLQQYYVKLKDSEKNRKLFDLLDVL
EFNQVIIFVKSVQRCMALAQLLVEQN FPAIAIHRGMAQEERLSRYQQFKDFQRRILVA
TNLFGRGMDIERVNIVFN YDMPEDSDTYLHRVARAGRFGTKGLAITFVSDENDAKIL
NDVQDRFEVNVAELPEEIDISTYIEQSRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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



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