

Recombinant Human DHX34 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHX34-5176H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHX34 MS Standard C13 and N15-labeled recombinant protein (NP_055496) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 this DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a member of this family. It is mapped to the glioma 19q tumor suppressor region and is a tumor suppressor candidate gene.
Molecular Mass	127.9 kDa
AA Sequence	MPPPRTREGRDRRDHHRAPSEEEALEKWDWNCPETRRLLDAFFREEDYIRQGSE ECQKFWTFFERLQRFQNLKTSRKEEKDPGQPKHSIPALADLPRTYDPRYRINLSVLG PATRGSQGLGRHLP AERVAEFRRALLHYLDFGQKQAFGR LAKLQRERAALPIAQYG NRILQTLKEHQVVVAGDTGCGKSTQVPQYLLAAGFSHVACTQPRRIACISLAKRVG FESLSQYGSQVG YQIRFESTRSAATKIVFLTVGLLLRQIQREPSLPQYEVLIVDEVHE

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RHLHNDPELLGVLQRLLPTRPDLKVILMSATINISLFSSYFSNAPVVQVPGRLFPITVVY
 QPQEAEPSTTSKSEKLDPRPFLRVLESIDHKYPPEERGDLLVFLSGMAEISAVLEAAQT
 YASHTQRWVVLPLHSALSVADQDKVFDVAPPGVRKCILSTNIAETSVTIDGIRFVVD
 GKVKEMSYDPQAKLQRLQEFWISQASAEQRKGRAGRTGPGVCFRLYAESDYDAFA
 PYPVPEIRRVALDSLVLQMKSMSVGDPRTFFPIEPPPPASLETAILYLRDQGALDSSE
 ALTPIGSLLAQLPVDVIGKMLILGSMFSLVEPVL TIAAALSVQSPFTRSAQSSPECAA
 ARRPLESDQGDPTLNFVFNWVQVKSESRNSRKWCRRRGIEEHRLYEMANLRR
 QFKELLEDHGLLAGAAQVGDYSRLQQRERRALHQLKRQHEEGAGRRRKVLR
 LQEEQDGGSSDEDRA GPAPPGASDGV DIQDV KFLR HDLAQLQAAASSAQDLSRE
 QLALLKLVLRGLYPQLAVPDAFNSSRKDSQIFHTQAKQGAVLHPTCVFAGSPEVL
 HAQELEASNCDGSRDDKDKMSSKHQLLSFVSLLTNKPYLVNVCVRIPALQSLLLFSR
 SLDTNGDCSRLVADGWLELQLADSESAIRLLAASRLRARWESALDRQLAHQAQQQ
 LEEEEEDTPVSPKEVATLSKELLQFTASKIPYSLRRLTGLEVQNMVGPQTIPATPHL
 PGLFGSSTLSPHPTKGGYAVTDFLTYNCLTNDTDLYSDCLRTFWTCPHCGLHAPLT
 PLERIAHENTCPQAPQDGPPGAEEAALETQKTSVLQRPYHCEACGKDFLFTPTEVL
 RHRKQHVSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

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

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Gene Name	DHX34 DExH-box helicase 34 [Homo sapiens (human)]
Official Symbol	DHX34
Synonyms	DHX34; DEAH (Asp-Glu-Ala-His) box polypeptide 34; DDX34, DEAD/H (Asp Glu Ala Asp/His) box polypeptide 34; probable ATP-dependent RNA helicase DHX34; KIAA0134; DEAH box protein 34; probable ATP-dependent helicase DHX34; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 34; HRH1; DDX34;
Gene ID	9704
mRNA Refseq	NM_014681
Protein Refseq	NP_055496
MIM	615475
UniProt ID	Q14147
SDS-PAGE	