

Recombinant Human DDX20 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DDX20-2917H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DDX20 MS Standard C13 and N15-labeled recombinant protein (NP_009135) 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 family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which has an ATPase activity and is a component of the survival of motor neurons (SMN) complex. This protein interacts directly with SMN, the spinal muscular atrophy gene product, and may play a catalytic role in the function of the SMN complex on RNPs.
Molecular Mass	92.2 kDa
AA Sequence	MAAAFEASGALAAVATAMPAEHVAVQVPAPPTPGPVRILRTAQDLSSPRTRTGDV LLAEPADFESLLLSRPVLEGLRAAGFERPSPVQLKAIPGLRCGLDLIVQAKSGTGKTC VFSTIALDSLVLLENLSTQILILAPTREIAVQIHVSVITAIGIKMEGLECHVFVIGGTPLSQDKT

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RLKKCHIAVGSPGRIKQLIELDYLNPGSIRLFILDEADKLL EEGSFQEQINWIYSSLPAS
 KQMLAVSATYPEFLANALTKYMRDPTFVRLNSSDPSLIGLKQYYKVVNSYPLAHKVF
 EEKTQHLQELFSRIPFNQALVFSNLHSRAQHLADILSSKGFFAECISGNMNQNQRDL
 AMAKLKHFHCRVLISTDLTSRGIDAEKVNLVNLDVPLDWETYMHRIGRAGRFGTLG
 LTVTYCCRGEEGNMMRIAQKCNINLLPLDPIPSGLMEECVDWDVEVKA AVHTYGI
 ASVPNQPLKKQIQKIERTLQIQKAHGDHMASSRNNSVSGLSVKSKNNTKQKLPVKSH
 SECGLIEKATSPKELGCDRQSEEQMKNSVQTPVENSTNSQH QVKEALPVSLPQIPCL
 SSFKIHQPYTLTFAELVEDYEHYIKEGLEKPVEIIRHYTGPGDQTVNPQNGFVRNKVT
 EQRVPVLASSSQSGDSESDSDSYSSRTSSQSKGNKSYLEGSSDNQLKDSESTPVD
 DRISLEQPPNGSDTPNPEKYQESPGIQMKTRLKEGASQRAKQSRRLPRRSSFRLQ
 TEAQEDDWYDCHREIRLSFSDTYQDYEEYWRAYYRAWQEY YAAASHSYWNAQR
 HPSWMAAYHMNTIYLQEMMHSNQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 DDX20 DEAD-box helicase 20 [Homo sapiens (human)]

Official Symbol DDX20

Synonyms DDX20; DEAD (Asp-Glu-Ala-Asp) box polypeptide 20; DEAD/H (Asp Glu Ala Asp/His)

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box polypeptide 20, 103kD; probable ATP-dependent RNA helicase DDX20; DP103; GEMIN3; gemin-3; DEAD box protein 20; component of gems 3; DEAD-box protein DP103; DEAD box protein DP 103; SMN-interacting protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 20, 103kD; DKFZp434H052;

Gene ID [11218](#)

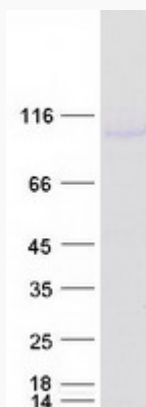
mRNA Refseq [NM_007204](#)

Protein Refseq [NP_009135](#)

MIM [606168](#)

UniProt ID [Q9UHI6](#)

SDS-PAGE



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