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	MAAAFEASGALAAVATAMPAEHVAVQVPAPEPTPGPVRILRTAQDLSSPRTRTGDV LLAEPADFESLLLSRPVLEGLRAAGFERPSPVQLKAIPLGRCGLDLIVQAKSGTGKTC VFSTIALDSLVLENLSTQILILAPTREIAVQIHSVITAIGIKMEGLECHVFIGGTPLSQDKT

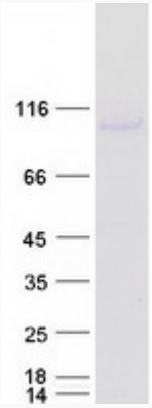
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	RLKKCHIAVGSPGRIKQLIELDYLNPGSIRLFILDEADKLLEEGSFQEQINWIYSSLPAS KQMLAVSATYPEFLANALTKYMRDPTFVRLNSSDPSLIGLKQYYKVVNSYPLAHKVF EEKTQHLQELFSRIPFNQALVFSNLHSRAQHLADILSSKGFPAECISGNMNQNQRLD AMAKLKHFHCRVLISTDLTSRGIDAEKVNLVVNLDVPLDWETYMHRIGRAGRFGTLG LTVTYCCRGEEGNMMMRIAQKCNINLLPLPDPIPSGLMEECVDWDVEVKAAVHTYGI ASVPNQPLKKQIQKIERTLQIQKAHGDHMASSRNNSVSGLSVKSKNNTKQKLPVKSH SECGIIEKATSPKELGCDRQSEEQMKNSVQTPVENSTNSQHQVKEALPVSLPQIPCL SSFKIHQPYTLTFAELVEDYEHYIKEGLEKPVEIIRHYTGPGDQTVNPQNGFVRNKVT EQRVPVLASSSQSGDSESDSDSYSSRTSSQSKGNKSYLEGSSDNQLKDSESTPVD DRISLEQPPNGSDTPNPEKYQESPGIQMKTRLKEGASQRAKQSRRNLPRRSSFRLQ TEAQEDDWYDCHREIRLSFSDTYQDYEEYWRAYYRAWQEYYAAASHSYYWNAQR 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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