

## Product datasheet for TP301758

### DDX23 (NM\_004818) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DEAD (Asp-Glu-Ala-Asp) box polypeptide 23 (DDX23), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC201758 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAGELADKKDRDASPSKEERKRSRTPDRERDRDRDRKSSPSKDRKRHRSRDRRRGGSRSRSRSRSKSAER  
ERRHKERERDKERDRNKKDRDRDKDGHRRDKDRKRSSLSPGRGKDFKSRKDRDSKKDEEDEHGDKKPKAQ  
PLSLEELLAKKKAEEEEAEAKPKFLSKAEREAEALKRRQQEVEERQRMLEEEERKKRKQFQDLGRKMLEDPPQ  
ERERRERRERMERETNGNEDEEGRQKIREEKDKSKELHAIKERYLGGIKRRRTRHLNDRKVFVWDASE  
DTSIDYNPLYKERHQVQLLGRGFIAGIDLKQKREQSRFYGDLMEKRRTLEEKEQEEARLRKLRKKEAKQ  
RWDDRHWVSQKKLDEMTDRDWRIFREDYSITTKGGKIPNPIRSWKDSSLPPHILEVIDKCGYKEPTPIQRQ  
AIPIGLQNRDIIGVAETGSGKTA AFLIPLLWITTLPKIDRIEESDQGPYAILAPTRELAQQIEEETIK  
FGKPLGIRTVAVIGGISREDQGFRLRMGCEIMIATPGRLLIDVLENRYLVLSRCTYVVLDEADRMIDMGFE  
PDVQKILEHMPVSNQKPDTDEAEDPEKMLANFESGKHKYRQTMFTATMPPAVERLARSYLRRPAWYIG  
SAGKPHERVEQKVFLMSESEKRKLLAILEQGFDPPIIIIFVNQKKGCDVLAKSLEKMGYNACTLHGGKQG  
EQREFALS NLKAGAKDILVATDVAGRGIDIQDVSMVNYDMAKNIEDYIHRIGRTGRAGKSGVAITFLTK  
EDSAVFYELKQAILESPVSSCPPPELANHPDAQHKGPTILTKKRREETIFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

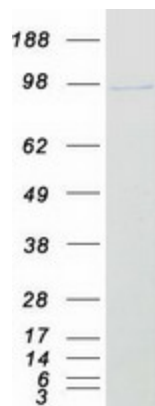
Tag:	C-Myc/DDK
Predicted MW:	95.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004809</a>
<b>Locus ID:</b>	9416
<b>UniProt ID:</b>	<a href="#">Q9BUQ8</a> , <a href="#">A0A024R0Z3</a> , <a href="#">B3KY11</a>
<b>RefSeq Size:</b>	3288
<b>Cytogenetics:</b>	12q13.12
<b>RefSeq ORF:</b>	2460
<b>Synonyms:</b>	prp28; PRPF28; SNRNP100; U5-100K; U5-100KD
<b>Summary:</b>	This gene encodes a member of the DEAD box protein family. 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. The protein encoded by this gene is a component of the U5 snRNP complex; it may facilitate conformational changes in the spliceosome during nuclear pre-mRNA splicing. An alternatively spliced transcript variant has been found for this gene, but its biological validity has not been determined. [provided by RefSeq, Jul 2008]
<b>Protein Pathways:</b>	Spliceosome

### Product images:



Coomassie blue staining of purified DDX23 protein (Cat# TP301758). The protein was produced from HEK293T cells transfected with DDX23 cDNA clone (Cat# [RC201758]) using MegaTran 2.0 (Cat# [TT210002]).