

Product datasheet for PH301758

DDX23 (NM_004818) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DDX23 MS Standard C13 and N15-labeled recombinant protein (NP_004809)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201758
Predicted MW:	95.6 kDa
Protein Sequence:	>RC201758 protein sequence Red=Cloning site Green=Tags(s)

MAGELADKKDRDASPSKEERKRSRTPDRERDRDRDRKSSPSKDRKRHRSRDRRRGGSRSRSRSRKSAER
ERRHKERERDKERDRNKKDRDRDKDGHRRDKDRKRSSLSPGRGKDFKSRKDRDSKKDEEDEHGDKKPKAQ
PLSLEELLAKKKAEEEEAEKPKFLSKAEREAEALKRRQQEVEERQRMLEEEERKKRQFQDLGRKMLEDPO
ERERRERRERMERETNGNEDEEGRQKIREEKDKSKELHAIKERYLGGIKRRRTRHLNDRKFVFEWDASE
DTSIDYNPLYKERHQVQLLGRGFIAGIDLKQKREQSRFYGDLMEKRRTLEEKEQEEARLRLRKEAKQ
RWDDRHWQKLLDEMTRDWRIFREDYSITTKGGKIPNPIRSWKDSSLPPHILEVIDKCGYKEPTPIQRQ
AIPIGLQNRDIIGVAETGSGKTA AFLIPLLWITTLPKIDRIEESDQGPYAIILAPTRELAQQIEEETIK
FGKPLGIRTVAVIGGISREDQGFRLRMGCEI VIATPGRLIDVLENRYLVLSRCTYVVLDEADRMIDMGFE
PDVQKILEHMPVSNQKPDDEAEDPEKMLANFESGKHKYRQTVMFATMPPAVERLARSYLRRPAVVYIG
SAGKIPHERVEQVFLMSESEKRRKLLAILEQGFDPPIIIFVNQKKGCDVLAKSLEKMGYNACTLHGKGGQ
EQREFALS NLKAGAKDILVATDVAGRGIDIQDVSMVVNYDMAKNIEDYIHRIGRTGRAGKSGVAITFLTK
EDSAVFYELKQAILESPVSSCPPELANHPDAQHKPGTILTKKRREETIFA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004809</u>



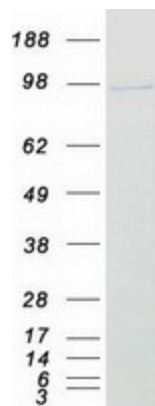
[View online »](#)

RefSeq Size:	3288
RefSeq ORF:	2460
Synonyms:	prp28; PRPF28; SNRNP100; U5-100K; U5-100KD
Locus ID:	9416
UniProt ID:	Q9BUQ8 , A0A024R0Z3 , B3KY11
Cytogenetics:	12q13.12

Summary: 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]

Protein Pathways: 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]).