

Product datasheet for PH302912

DHX16 (NM_003587) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DHX16 MS Standard C13 and N15-labeled recombinant protein (NP_003578)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202912
Predicted MW:	119.4 kDa
Protein Sequence:	>RC202912 protein sequence Red=Cloning site Green=Tags(s)

MATPAGLERWVQDELHSLVGLSERHVAQFLIGTAQRCTSAEEFVQRLRDTDTLDLSPARDALRLWNKV
PRKAVVEKPARAAEREARALLEKNRSYRLLEDSEESSEETVSRAGSSLQKKRKRKHLRKKREEEEEEA
SEKGGKKTGGSKQQTEKPESEDEWERTERERLQDEERDAFAERVQRDKDRTRNVLERSDKKAYEEAQK
RLKMAEEDRKAMPPELRKKSREYLAKREREKLEDELAELADEEFLFGDVELSRHERQELKYKRRVRDLA
REYRAAGEQEKL EATNRYHMPKETRGQPARAVDLVEEESGAPGEEQRRWEEARLGAASLKF GARDASQE
PKYQLVLEEEETIEFVRATQLQGDEEPSAPPTSTQAQQKESIQA VRRSLPVFPFREELLAIANHQVLIIE
EGETGSGKTTQIPQYLFEEGYTNKGMKIACTQPRRVAAMSVAARVAREMGVKGNEVGYSIRFEDCTSER
TVLRYMTDGMLLREFLSEPDLASYSVVMVDEAHERTLHTDILFGLIKDVARFRPELKV LASATMDTARF
STFFDDAPVFRIPGRRFPVDIFYTKAPEADYLEACVSVLQIHVTQPPGDILVFLTGQEEIEAACEMLD
RCRRLGSKIRELLVLP IYANLP SPMQARIFQPTPPGARKVVVATNIAETSLTIEGIIYVLDPGFCKQKSY
NPRTGMESLTVTPCSKASANQRAGRAGRVAAGKCFRLYTAWAYQHELEETT VPEIQRTSLGNVLLLLKSL
GIHDLMHDFLDPPPYETLLLAL EQLYALGALNHLGELTTSGRKMAELPVDPMLSKMILASEKYSCEEI
LTVAAMLSVNNSIFYRPKDKVVHADNARVNFLLPGGDHLVLLNVYTQWAEESGYSQWCYENFVQFRSMRR
ARDVREQL EGLLERVEVGLSSCQGDYIRVRKAITAGYFYHTARL TRSGYRTVKQQQTVF IHPNSSLFEQQ
PRWLLYHELVLTTKEFMRQVLEIESSWLLLEVAPHYYKAKELEDPHAKKMPKKKIGKTR EELG

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.

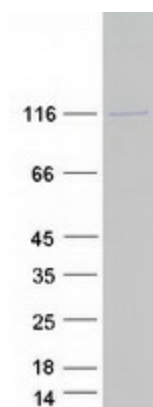


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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003578
RefSeq Size:	3477
RefSeq ORF:	3126
Synonyms:	DBP2; DDX16; NMOAS; PRO2014; Prp2; PRP8; PRPF2
Locus ID:	8449
UniProt ID:	O60231 , Q5SQH4
Cytogenetics:	6p21.33
Summary:	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 is a functional homolog of fission yeast Prp8 protein involved in cell cycle progression. This gene is mapped to the MHC region on chromosome 6p21.3, a region where many malignant, genetic and autoimmune disease genes are linked. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2018]

Protein Pathways: Spliceosome

Product images:



Coomassie blue staining of purified DHX16 protein (Cat# [TP302912]). The protein was produced from HEK293T cells transfected with DHX16 cDNA clone (Cat# [RC202912]) using MegaTran 2.0 (Cat# [TT210002]).