

Product datasheet for PH300371

DDX5 (NM_004396) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DDX5 MS Standard C13 and N15-labeled recombinant protein (NP_004387)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200371
Predicted MW:	69.1 kDa
Protein Sequence:	>RC200371 protein sequence Red=Cloning site Green=Tags(s)

MSGYSSDRDRGRDRGFGAPRFGGSRAGPLSGKKFGNPGEKLVKKKWNLDELPKFEKNFYQEHPDLARRTA
QEVETYYRSKEITVRGHNCPPVLFYEAANFPANVMDVIARQNFTEPTAIQAQGWVALSGLDMVGVAQT
GSGKTLSYLLPAIVHINHQPFLERGDGPICLVLAPTRELAQQVQVAAEYCRACRLKSTCIYGGAPKGPQ
IRDLERGVIEICIAIPGRLIDFLECGKTNLRRTTYLVLDEADRMLDMGFEPQIRKIVDQIRPDRQTLMWSA
TWPKEVRQLAEDFLKDYIHINIGALELSANHNILQIVDVCHDVEKDEKLIRLMEEIMSEKENKTIVFVET
KRRCDDELTRKMRRDGWPAMGIHGDKSQQERDVLNEFKHGKAPILIAITDVASRGLDVEDVKFVINYDYPN
SSEDIYHRIGRTARSTKTGTAYTFFTPNNIKQVSDLISVLREANQAINPKLLQLVEDRGSGRSRGRGGMK
DDRRDRYSAGKRGGFNTFRDRENYDRGYSSLKRDFGAKTQNGVYSAANYTNGSFGSNFVSAGIQTSTFRT
GNPTGTQNGYDSTQYGSNVPNMHNGMNQAYAYPATAAAPMIGYPMPTGYSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	NP_004387
RefSeq Size:	3769
RefSeq ORF:	1842



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Synonyms: G17P1; HLR1; HUMP68; p68

Locus ID: 1655

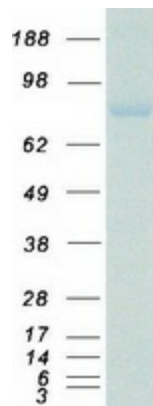
UniProt ID: [P17844](#)

Cytogenetics: 17q23.3

Summary: This gene encodes a member of the DEAD box family of RNA helicases that are involved in a variety of cellular processes as a result of its role as an adaptor molecule, promoting interactions with a large number of other factors. This protein is involved in pathways that include the alteration of RNA structures, plays a role as a coregulator of transcription, a regulator of splicing, and in the processing of small noncoding RNAs. Members of this family contain nine conserved motifs, including the conserved Asp-Glu-Ala-Asp (DEAD) motif, important to ATP binding and hydrolysis as well as RNA binding and unwinding activities. Dysregulation of this gene may play a role in cancer development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2017]

Protein Pathways: Spliceosome

Product images:



Coomassie blue staining of purified DDX5 protein (Cat# [TP300371]). The protein was produced from HEK293T cells transfected with DDX5 cDNA clone (Cat# [RC200371]) using MegaTran 2.0 (Cat# [TT210002]).