

Product datasheet for PH301248

UAP56 (DDX39B) (NM_004640) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BAT1 MS Standard C13 and N15-labeled recombinant protein (NP_004631)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201248
Predicted MW:	49 kDa
Protein Sequence:	>RC201248 protein sequence Red=Cloning site Green=Tags(s)
	<p>MAENDVDNELLDYEDDEVETAAGGDGAEAPAKKDVKGSYVSIHSSGFRDFLLKPELLRAIVDCGFEHPSE VQHECIPQAILGMDVLCQAKSGMGKTAVFVLATLQQLPEPVTGQVSVLVMCHTRELAFQISKEYERFSKYM PNVKVAVFFGGLSIKKDEEVLKKNCPHIVVGTGPRILALARNKSLNLKHKHFILDECDKMLEQLDMRRD VQEIFRMPHEKQVMFSATLSKEIRPVCRKFMQDPMEIFVDDTKLTLHGLQQYVVKLDNEKNRKLFD LLDVLEFNQVVFVKSVQRCIALAQLLVEQNFPATAIHRGMPQEERLSRYQQFKDFQRRILVATNLFGRG MDIERNIAFNYPEDSDTYLHRVARAGRFGTKGLAITFVSDENAKILNDVQDRFEVNI SELPDEIDI SSYIEQTR</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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_004631
RefSeq Size:	2174
RefSeq ORF:	1284
Synonyms:	BAT1; D6S81E; UAP56



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Locus ID: 7919

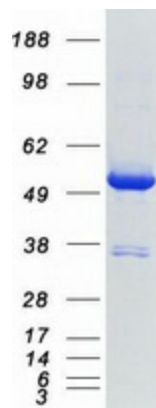
UniProt ID: [Q13838](#), [A0A024RCM3](#)

Cytogenetics: 6p21.33

Summary: This gene encodes a member of the DEAD box family of RNA-dependent ATPases that mediate ATP hydrolysis during pre-mRNA splicing. The encoded protein is an essential splicing factor required for association of U2 small nuclear ribonucleoprotein with pre-mRNA, and it also plays an important role in mRNA export from the nucleus to the cytoplasm. This gene belongs to a cluster of genes localized in the vicinity of the genes encoding tumor necrosis factor alpha and tumor necrosis factor beta. These genes are all within the human major histocompatibility complex class III region. Mutations in this gene may be associated with rheumatoid arthritis. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on both chromosomes 6 and 11. Read-through transcription also occurs between this gene and the upstream ATP6V1G2 (ATPase, H⁺ transporting, lysosomal 13kDa, V1 subunit G2) gene. [provided by RefSeq, Feb 2011]

Protein Pathways: Spliceosome

Product images:



Coomassie blue staining of purified DDX39B protein (Cat# [TP301248]). The protein was produced from HEK293T cells transfected with DDX39B cDNA clone (Cat# [RC201248]) using MegaTran 2.0 (Cat# [TT210002]).