

Product datasheet for PH301759

DDX39 (DDX39A) (NM_005804) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DDX39 MS Standard C13 and N15-labeled recombinant protein (NP_005795)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201759
Predicted MW:	49.1 kDa
Protein Sequence:	>RC201759 protein sequence Red=Cloning site Green=Tags(s)

MAEQDVENDLLDYDEEEEPQAPQESTPAPPKDKIKGSYVSIHSSGFRDFLLKPELLRAIVDCGFEHPSEV
QHECIPQAILGMDVLCQAKSGMGKTAVFVLATLQQIEPVNGQVTVLVMCHTRELAFQISKEYERFSKYMP
SVKVSVFFGGLSIKKDDEEVLKKNCPHVVVGTPGRILALVRNRSFSLKNVKHFVLDECDKMLEQLDMRRDV
QEIFRLTPHEKQCMMFSATLSKDIRPVCRCRFMQDPMEVFVDETKLTLHGLQQYYVKLDSEKNRKLFDL
LDVLEFNQVIFVKSQRCMALAQLLVEQNFPATIAIHRGMAQEERLSRYQQKDFQRRILVATNLFGRGM
DIERVNIVFNYPEDSDTYLHRVARAGRFGTKGLAITFVSDENDAKILNDVQDRFEVNVVAELPEEIDIS
TYIEQSR

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:	<u>NP_005795</u>
RefSeq Size:	1558
RefSeq ORF:	1281
Synonyms:	BAT1; BAT1L; DDX39; DDXL; URH49



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Locus ID: 10212
UniProt ID: [O00148](#)
Cytogenetics: 19p13.12

Summary: This gene encodes a member of the DEAD box protein family. These proteins are characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD) and 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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene is thought to play a role in the prognosis of patients with gastrointestinal stromal tumors. A pseudogene of this gene is present on chromosome 13. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Sep 2013]

Product images:



Coomassie blue staining of purified DDX39A protein (Cat# [TP301759]). The protein was produced from HEK293T cells transfected with DDX39A cDNA clone (Cat# [RC201759]) using MegaTran 2.0 (Cat# [TT210002]).