

## Product datasheet for PH309448

### DDX47 (NM\_016355) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DDX47 MS Standard C13 and N15-labeled recombinant protein (NP_057439)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209448
Predicted MW:	50.6 kDa
Protein Sequence:	>RC209448 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)

MAAPEEHDSPTESQPIVEEEETKTFKDLGVTDVLCACDQLGWTPTKIQIEAIPALQGRDIIGLAET  
 GSGKTGAFALPILNALLETPQRLFALVLTPTRELAFQISEQFEALGSSIGVQSAVIVGGIDSMSQSLALA  
 KKPHEIIATPGRLIDHLENTKGFNLKALKYLMDEADRLNMDFETEVDKILKVIPRDRKTLFSATMTK  
 KVQKLQRAALKNPVKCAVSSKYQTVEKLQYYIFIPSKFKDTYLVYILNELAGNSFMIFCSTCNNTQRTA  
 LLLRNLGFTAIPLHGQMSQSKRLGSLNKFKAARSILLATDVASRGLDIPHDVVVNFIDIPTHSKDYIHR  
 VGR TARAGRSKAITFVTQYDVELFQRIEHLIGKKLPGFPTQDDEVMLLTERVAEQRFARMELEHGEK  
 KKRSREDAGDNDDEGAIGVRNKVAGGKMKKRKGR

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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><a href="#">NP_057439</a></u>
RefSeq Size:	1836
RefSeq ORF:	1365
Synonyms:	E4-DBP; HQ0256; MSTP162; RRP3


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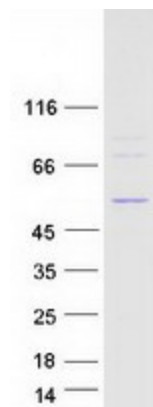
**Locus ID:** 51202

**UniProt ID:** [Q9H0S4](#), [A0A024RAS3](#)

**Cytogenetics:** 12p13.1

**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 can shuttle between the nucleus and the cytoplasm, and has an RNA-independent ATPase activity. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified DDX47 protein (Cat# [TP309448]). The protein was produced from HEK293T cells transfected with DDX47 cDNA clone (Cat# [RC209448]) using MegaTran 2.0 (Cat# [TT210002]).