

## Product datasheet for PH301477

### DDX56 (NM\_019082) Human Mass Spec Standard

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Mass Spec Standards   |
| Description:                          | DDX56 MS Standard C13 and N15-labeled recombinant protein (NP_061955) |
| Species:                              | Human   |
| Expression Host:                      | HEK293  |
| Expression cDNA Clone or AA Sequence: | RC201477  |
| Predicted MW:                         | 61.6 kDa  |
| Protein Sequence:                     | >RC201477 protein sequence<br>Red=Cloning site Green=Tags(s)          |

MEDSEALGFEHMGLDPRLLQAVTDLGWSRPTLIQEKAIPLALEGKDLLARARTGSGKTAAYAIPMLQLL  
HRKATGPVVEQAVRGLVLPVKELARQAQSMIQQLATYCARDVRVANVSAEDSVSQRVLMKPDVVVG  
TPSRILSHLQQDSLKLRDSLELLVYDEADLLFSFGFEEELKSLCHLPRIYQAFILMSATFNEDVQALKEL  
ILHNPVTLKQLQESQLPGPDQLQQFQVVCETEEDKFLLLYALLKLSLIRGKSLLFVNTLERSYRLRLFLEQ  
FSIPTCVLNGELPLRSRCHIIISQFNQGFYDCVIATDAEVLGAPVKGKRRGRGPKGDKASDPEAGVARGID  
FHHVSAVLNFDLPPTPEAYIHRAGRTARANNPGIVLTFVLPTEQFHLGKIEELLSGENRGPILLPYQFRM  
EEIEGFRYRCRDAMRSVTKQAIREARLKEIKEELLHSEKLTIFYEDNPRDLQLLRHDLPLHPAVVKPHLG  
HVPDYLVPPALRGLVRPHKRRKLLSSSCRKAKRAKSNPLRSFKHKGKFRPTAKPS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

|                  |  |
|------------------|--|
| Tag:             | C-Myc/DDK  |
| Purity:          | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Concentration:   | 50 µg/µL as determined by BCA  |
| 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:          | <a href="#">NP_061955</a>  |
| RefSeq Size:     | 2889   |
| RefSeq ORF:      | 1641   |



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**Synonyms:** DDX21; DDX26; NOH61

**Locus ID:** 54606

**UniProt ID:** [Q9NY93](#)

**Cytogenetics:** 7p13

**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 shows ATPase activity in the presence of polynucleotides and associates with nucleoplasmic 65S preribosomal particles. This gene may be involved in ribosome synthesis, most likely during assembly of the large 60S ribosomal subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012]

### Product images:



Coomassie blue staining of purified DDX56 protein (Cat# [TP301477]). The protein was produced from HEK293T cells transfected with DDX56 cDNA clone (Cat# [RC201477]) using MegaTran 2.0 (Cat# [TT210002]).