

Product datasheet for PH301477

OriGene Technologies, Inc.

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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 **HEK293 Expression Host: Expression cDNA Clone**

RC201477

or AA Sequence: Predicted MW:

61.6 kDa

>RC201477 protein sequence **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MEDSEALGFEHMGLDPRLLQAVTDLGWSRPTLIQEKAIPLALEGKDLLARARTGSGKTAAYAIPMLQLLL HRKATGPVVEQAVRGLVLVPTKELARQAQSMIQQLATYCARDVRVANVSAAEDSVSQRAVLMEKPDVVVG TPSRILSHLQQDSLKLRDSLELLVVDEADLLFSFGFEEELKSLLCHLPRIYQAFLMSATFNEDVQALKEL ILHNPVTLKLQESQLPGPDQLQQFQVVCETEEDKFLLLYALLKLSLIRGKSLLFVNTLERSYRLRLFLEQ FSIPTCVLNGELPLRSRCHIISQFNQGFYDCVIATDAEVLGAPVKGKRRGRGPKGDKASDPEAGVARGID FHHVSAVLNFDLPPTPEAYIHRAGRTARANNPGIVLTFVLPTEQFHLGKIEELLSGENRGPILLPYQFRM EEIEGFRYRCRDAMRSVTKQAIREARLKEIKEELLHSEKLKTYFEDNPRDLQLLRHDLPLHPAVVKPHLG

HVPDYLVPPALRGLVRPHKKRKKLSSSCRKAKRAKSQNPLRSFKHKGKKFRPTAKPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

C-Myc/DDK Tag:

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

>0.05 µg/µL as determined by microplate BCA method **Concentration:**

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stable for 3 months from receipt of products under proper storage and handling conditions. Stability:

RefSeq: NP 061955

RefSeq Size: 2889 RefSeq ORF: 1641



DDX56 (NM_019082) Human Mass Spec Standard - PH301477

Synonyms: DDX21; DDX26; NOH61

 Locus ID:
 54606

 UniProt ID:
 Q9NY93

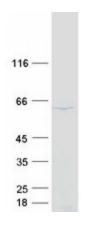
 Cytogenetics:
 7p13

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]).