

DDX56, 1-547 aa, Human, His tag, E.coli

Cat.NO.: TP01855

3th Edition

Synonyms:probable ATP-dependent RNA helicase DDX56 isoform 1, DDX21, DDX26, NOH61

Description:DDX56 is 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. DDX56 shows ATPase activity in the presence of polynucleotides and associates with nucleoplasmic 65S preribosomal particles. Recombinant human DDX56 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Molecular Weight:64.0 kDa (570aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMEDSEALGFEHMGLDPRLLQAVTDLGWSRPTLIQEKAIPLALEGKDLLARAR
TGSGKTAAYAIPMLQLLLHRKATGPVVEQAVRGLVLVPTKELARQAQSMIQLATYCARDVRVANVSAAEDSVSQR
AVLMEKPDVVVGTPSRILSHLQQDSLKLRDSLELLVVDEADLLFSFGFEEELKSL LCHLPRIYQAF LMSATFNEDVQA
LKELILHNPVTLKLQESQLPGPDQLQQFQVVCETEEDKFLLLYALLKLSLIRGKSLLFVNTLERSYRLRLFLEQFSIPT
CVLNGELPLRSRCHIIISQFNQGFYDCVIATDAEVLGAPVKGKRRGRGPKGDKASDPEAGVARGIDFHHVSAVLNFD
LPPTPEAYIHRAGRTARANNPGIVLTFVLPTEQFH LGKIEELLSGENRGPILLPYQFRMEEIEGFRYRCRDAMRSVTK
QAIREARLKEIKEELLHSEKLT YFEDNPRDLQLLRHDLPLHPAVVKPHLGHVDPDYLVPPALRGLVRPHKKRKKLSSS
CRKAKRAKSNPLRSFKHKGKKFRPTAKPS

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.