

EIF4A3, 1-411aa, Human, His tag, E.coli

Cat.NO.: TP01998

3th Edition

Synonyms:Eukaryotic initiation factor 4A-III, DDX48, eIF4AIII, KIAA0111, NMP265, NUK34.

Description:EIF4A3 (Eukaryotic initiation factor 4A-III) belongs to the DEAD box helicase family and eIF4A subfamily. 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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 30% glycerol, 200mM NaCl

Molecular Weight:49.4kDa (435aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMATTATMATSGSARKRLLKEEDMTKVEFETSEEVDVTPTFDTMGLREDLL
RGIYAYGFEEKPSAIQQRAIKQIIKGRDVIAQSQSGTGKTATFSISVLQCLDIQVRETQALILAPTREAVQIQKGLLALG
DYMNVQCHACIGGTNVGEDIRKLDYGQHVVAGTPGRVFD MIRRRSLRTRAIKMLVLDEADEMLNKGFKQIYDVYR
YLPPATQVVLISATLPHEILEMTNKFMTDPIRILVKRDEL TLEGIKQFFVAVEREEWKFDLTLCDLYDTLTITQAVIFCNT
KRKVDWLTEKMREANFTVSSMHGDM PQKERESIMKEFRSGASRVLISTDVWARGLDVPQVSLIINYDLPNNRELYI
HRIGRSGRYGRKGVAINFVKND DIRILRDIEQYYSTQIDEMPMNVADLI

Purity:> 95% by HPLC

Concentration:0.5mg/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.