

Recombinant Human EIF1AX, His-tagged

Cat. No. EIF1AX-2817H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EIF1AX protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW =18.6kDa (164aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	EIF1AX is an essential eukaryotic translation initiation factor. The protein is required for the binding of the 43S complex (a 40S subunit, eIF2/GTP/Met-tRNAi and eIF3) to the 5' end of capped RNA. It seems to be required for maximal rate of protein biosynthesis. And it enhances ribosome dissociation into subunits and stabilizes the binding of the initiator Met-tRNA (I) to 40 S ribosomal subunits.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MPKNKGKGGK NRRRGKNENE SEKRELVFKE DGQEYAQVIK MLGNRLEAM CFDGVKRLCH IRGKLRKKVW INTSDIILVG LRDYQDNKAD VILKYNADEA RSLKAYGELP EHAKINETDT FGPGDDDEIQ FDDIGDDDED IDDI
Purity	> 90% by SDS – PAGE.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 5mM DTT, 200mM NaCl.
Concentration	1mg/ml (determined by Bradford assay).

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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.

GENE INFORMATION
Gene Name

EIF1AX eukaryotic translation initiation factor 1A, X-linked [Homo sapiens]

Synonyms

EIF1AX; eukaryotic translation initiation factor 1A, X-linked; EIF1A; EIF4C; eIF-1A; eIF-4C; EIF1AP1; eIF-1A X isoform; OTTHUMP00000024301; eukaryotic translation initiation factor 4C; Putative eukaryotic translation initiation factor 1A; eukaryotic translation initiation factor 1A, X chromosome; Eukaryotic translation initiation factor 1A, X-chromosomal

Gene ID

1964

mRNA Refseq

NM_001412

Protein Refseq

NP_001403

MIM

300186

UniProt ID

P47813

Chromosome Location

Xp22.12

Pathway

Gene Expression; Metabolism of proteins

Function

RNA binding; translation factor activity, nucleic acid binding; translation initiation factor activity

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