Recombinant Human EIF1AY, His-tagged

Cat. No. EIF1AY-3418H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EIF1AY protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	EIF1AY is similar to eukaryotic translation initiation factor 1A (EIF1A). This protein seems to be required for maximal rate of protein biosynthesis. It enhances ribosome dissociation into subunits and 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.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1 mM DTT, 100 mM NaCl, 20% Glycerol.
Molecular Weight	18.8 kDa (167aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MGSMPKNKGK GGKNRRRGKN ENESEKRELV FK E DGQEYAQ VIKMLGNGRL EALCFDGVKR LCHIRGKLRKKVWINTSDII LVG LR D YQDN KADVILKYNA DEARSLKAYG ELPEHAKINE TDTFGPGDDD EIQFDDIGDD D EDIDDI.

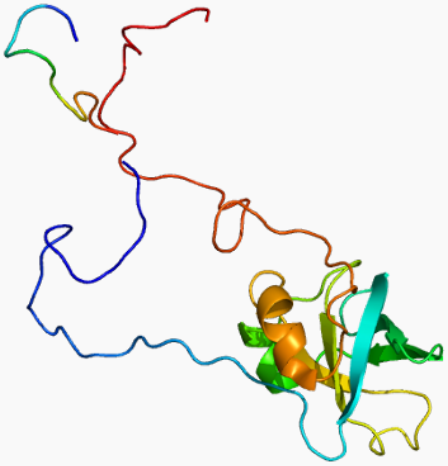
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Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Pathways	RNA transport

GENE INFORMATION

Gene Name	EIF1AY eukaryotic translation initiation factor 1A, Y-linked [Homo sapiens]
Synonyms	eukaryotic translation initiation factor 1A, Y-linked; EIF1AY; eukaryotic translation initiation factor 1A, Y-chromosomal; eIF-4C; eIF-1A Y isoform; eukaryotic translation initiation factor 4C; eukaryotic translation initiation factor 1A, Y chromosome; Eukaryotic translation initiation factor 4C
Gene ID	9086
mRNA Refseq	NM_004681
Protein Refseq	NP_004672
MIM	400014
UniProt ID	O14602
Chromosome Location	Yq11.223
Function	RNA binding; protein binding; translation initiation factor activity

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