

Recombinant Human EIF1AX (N-6His)

Catalog # EPT142

Expression Host E.coli

DESCRIPTION Recombinant Human Eukaryotic Translation Initiation

Factor 1A, X-Chromosomal is produced by our E.coli

expression system and the target gene encoding

Met1-Ile144 is expressed with a 6His tag at the

N-terminus.

Accession P47813

Synonyms Eukaryotic Translation Initiation Factor 1A

X-Chromosomal; eIF-1A X Isoform; Eukaryotic

Translation Initiation Factor 4C; eIF-4C; EIF1AX; EIF1A;

EIF4C

Mol Mass 18.6 KDa

AP Mol Mass 22 KDa, reducing conditions

Purity Greater than 95% as determined by reducing

SDS-PAGE.

Endotoxin Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.



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FORMULATION

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

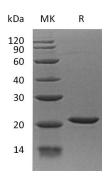
BACKGROUND

Eukaryotic Translation Initiation Factor 1A,
X-Chromosomal (EIF1AX) is an essential eukaryotic
translation initiation factor that belongs to the eIF-1A
family. EIF1AX 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 and has been shown to interact with IPO13. EIF1AX contains one S1-like domain and seems to be required for maximal rate of protein biosynthesis. Enhances ribosome dissociation into subunits and stabilizes the binding of the initiator Met-tRNA(I) to 40 S ribosomal subunits.



SDS-PAGE

