



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.





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 100 $\mu\text{g/ml}$.

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 $< -20^{\circ}\text{C}$, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at $4-7^{\circ}\text{C}$ for 2-7 days.

Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ 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-tRNA_i 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

