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EIF1AX Human

Eukaryotic Translation Initiation Factor 1 X-linked Human Recombinant
RCP0729

Product Overview

Name	EIF1AX Human

Description

Eukaryotic Translation Initiation Factor 1 X-linked Human Recombinant

Accession (Primary)	P47813

Synonyms

eukaryotic translation initiation factor 1A, X-linked, eIF-4C, EIF1A, EIF4C, eIF-1A, EIF1AP1.

Introduction

EIF1AX is an important eukaryotic translation initiation factor. EIF1AX is essential for the binding of the 43S complex (a 40S subunit, eIF2/GTP/Met-tRNAi and eIF3) to the 5'' end of capped RNA. EIF1AP1 is needed for maximal rate of protein biosynthesis. EIF1AX increases ribosome dissociation into subunits and stabilizes the binding of the initiator Met-tRNA (I) to 40 S ribosomal subunits.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The EIF1AX protein solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH8.0) containing 5mM DTT, 200mM NaCl and 40% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MPKNKGKGGK NRRRGKNENE SEKRELVFKE DGQEYAQVIK MLGNGRLEAM CFDGVKRLCH IRGKLRKKVW INTSDIILVG LRDYQDNKAD VILKYNADEA RSLKAYGELP EHAKINETDT FGPGDDDEIQ FDDIGDDDED IDDI

Precautions

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EIF1AX Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P47813)