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Datasheet for ABIN1096555 EIF1AX Protein (AA 2-144) (His tag)

Overview

Quantity:	50 µg
Target:	EIF1AX
Protein Characteristics:	AA 2-144
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF1AX protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human EIF1A, X-Chromosomal/EIF1AX (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MPKNKGKGGK NRRRGKNENE SEKRELVFKE DGQEYAQVIK MLGNRLEAM CFDGVKRLCH IRGKLRKKVW INTSDIILVG LRDYQDNKAD VILKYNADDA RSLKAYGELP EHAKINETDT FPGGDDDEIQ FDDIGDDDED IDDI
Characteristics:	Recombinant Human Eukaryotic Translation Initiation Factor 1A, X-Chromosomal/EIF1AX is produced by our E. coli expression system. The target protein is expressed with sequence (Pro2-Ile144) of Human EIF1AX fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	EIF1AX
Alternative Name:	EIF1AX (EIF1AX Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Eukaryotic Translation Initiation Factor 1A X-Chromosomal, eIF-1A X Isoform, Eukaryotic Translation Initiation Factor 4C, eIF-4C, EIF1AX, EIF1A, EIF4C</p>
Molecular Weight:	18.6 kDa
UniProt:	P47813

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months