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Datasheet for ABIN7318422

EIF1AX Protein (His tag)

Overview

| | |
|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | EIF1AX |
| 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 EIF1AX Protein (His Tag) |
| Sequence: | Met 1-Ile144 |
| Characteristics: | 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. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

| | |
|-------------------|---|
| Target: | EIF1AX |
| Alternative Name: | EIF1AX (EIF1AX Products) |
| Background: | 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 |

Target Details

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.

Synonym: Eukaryotic Translation Initiation Factor 1A X-Chromosomal, eIF-1A X Isoform, Eukaryotic Translation Initiation Factor 4C, eIF-4C, EIF1AX, EIF1A, EIF4C

Molecular Weight: 18.6 kDa

UniProt: [P47813](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.