



Recombinant Protein Technical Manual

Recombinant Human EIF1AX Protein (His Tag)

RPES2686

Product Data:

Product SKU: RPES2686

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P47813

Protein Information:

Molecular Mass: 18.6 kDa

AP Molecular Mass: 22 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

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

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

Application:

Synonyms: Eukaryotic Translation Initiation Factor 1A X-Chromosomal; eIF4 X Isoform; Eukaryotic Translation Initiation Factor 4C; eIF-4C; EIF1AX; EIF1A; EIF4C

Immunogen Information:

Sequence: Met 1-Ile144

Background:

Eukaryotic Translation Initiation Factor 1A, X-Chromosomal (EIF1AX) is an essential eukaryotic translation initiation factor that belongs to the eIFA 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.