

## 32-3728: EIF1AY Recombinant Protein

**Alternative Name :** Eukaryotic translation initiation factor 1A Y chromosome, Eukaryotic translation initiation factor 4C, eIF-4C, eIF-1A Y isoform.

### Description

Source : Escherichia Coli. EIF1AY produced in E.Coli is a single, non-glycosylated polypeptide chain containing 167 amino acids (1-144.a.a) and having a molecular mass of 18.8kDa. EIF1AY is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. EIF1AY is comparable to eukaryotic translation initiation factor 1A (EIF1A). EIF1AY protein is essential for highest rate of protein biosynthesis. EIF1AY increases ribosome dissociation into subunits and is obligatory for the binding of the 43S complex (a 40S subunit, eIF2/GTP/Met-tRNA<sup>i</sup> and eIF3) to the 5' end of capped RNA.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The EIF1AY protein solution (0.5mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT and 20% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MSSMNPEYDY LFKLLIGDS GVGKSCLLLR FADDTYTESY ISTIGVDFKI RTIELDGKTI KLQIWDTAGQ ERFRTITSS YRGAHGIIIV YDVTQESFN NVKQWLQEID RYASENVNKL LVGNKCDLTT KKVVDYTTAK EFADSLGIPF LETSAKNATN VEQSFMTMAA EIKKRMGPGA TAGGAEKSNV KIQSTPVKQS GGGCC

