
Product Data Sheet

Product Name: EIF1AY Human
 Cat. No.: GP23379
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Eukaryotic translation initiation factor 1A Y chromosome; Eukaryotic translation initiation factor 4C; eIF-4C; eIF-1A Y isoform.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMPKNKGK GGKNRRRGKN ENESEKRELV FKEDGQEYAQ VIKMLGNGRL EALCFDGVKR LCHIRGKLRK K VWINTSDII LVGLRDYQDN KADVILKYNA DEARSLKAYG ELPEHAKINE TDTFGPGDDD EIQFDDIGDD DEDIDDI.		
Formulation	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.		

Introduction

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_i and eIF3) to the 5' end of capped RNA.

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. Please avoid freeze thaw cycles.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA