EIF1AY Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	EIF1AY, Recombinant Protein
Full Product Name	Recombinant Human EIF1AY
Product Gene Name	EIF1AY recombinant protein
Product Synonym Names	eIF 1A Y isoform; eIF 4C; EIF1AY
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose, pH7.4
Purity/Purification	Greater than 95% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	16,442 Da
Sequence Positions	1-144
Chromosome Location	Chromosome: Y; NC_000024.9 (22737611..22755040). Location: Yq11.223
OMIM	400014
3D Structure	ModBase 3D Structure for O14602
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000rpm for 1 minute, reconstitute at 200ug/ml in sterile distilled water
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for EIF1AY recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for EIF1AY recombinant protein	MBS7613564 is a recombinant protein targeting EIF1AY. Also known as Recombinant Human EIF1AY. Host: E Coli.
Other Notes	Small volumes of EIF1AY recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EIF1AY. It may not necessarily be applicable to this product.

NCBI GI #	33356163
NCBI GeneID	9086
NCBI Accession #	NP_004672.2
UniProt Primary Accession #	O14602
UniProt Secondary Accession #	Q9BS77
UniProt Related Accession #	O14602

GenBank Nucleotide #	NM_004681.2
NCBI Official Full Name	eukaryotic translation initiation factor 1A, Y-chromosomal
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 1A, Y-linked
NCBI Official Symbol	EIF1AY
UniProt Protein Name	Eukaryotic translation initiation factor 1A, Y-chromosomal
UniProt Synonym Protein Names	Eukaryotic translation initiation factor 4C
Protein Family	Eukaryotic translation initiation factor
UniProt Gene Name	EIF1AY
UniProt Synonym Gene Names	eIF-1A Y isoform; eIF-4C
UniProt Entry Name	IF1AY_HUMAN
NCBI Protein Information	eukaryotic translation initiation factor 1A, Y-chromosomal; eIF-4C; eIF-1A Y isoform; eukaryotic translation initiation factor 4C; eukaryotic translation initiation factor 1A, Y chromosome
NCBI Summary for EIF1AY	This gene encodes a protein similar to eukaryotic translation initiation factor 1A (EIF1A). EIF1A 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. [provided by RefSeq, Jul 2008]
UniProt Comments for EIF1AY	EIF1AY: 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. Belongs to the eIF-1A family. Protein type: Translation; Translation initiation Chromosomal Location of Human Ortholog: Yq11.223 Molecular Function: protein binding; translation initiation factor activity Biological Process: translational initiation
Research Articles on EIF1AY	**1.** investigated 12 single-nucleotide polymorphisms in Y-linked neuroligin 4, transducin b-like 1, and eukaryotic translation initiation factor 1a genes, results suggest a Y chromosome effect in autism
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