

Recombinant Human EIF1AY 293 Cell Lysate

Cat. No. EIF1AY-6676HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for eukaryotic translation initiation factor 1A, Y-linked (EIF1AY) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

EIF1AY eukaryotic translation initiation factor 1A, Y-linked [Homo sapiens]

Official Symbol

EIF1AY

Synonyms

EIF1AY; eukaryotic translation initiation factor 1A, Y-linked; eukaryotic translation initiation factor 1A, Y chromosome; eukaryotic translation initiation factor 1A, Y-chromosomal; eIF-4C; eIF-1A Y isoform; eukaryotic translation initiation factor 4C;

Gene ID

9086

mRNA Refseq

NM_004681

Protein Refseq

NP_004672

MIM

400014

UniProt ID

O14602

**Chromosome
Location**

Y

Pathway

RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; Translation Factors, organism-specific biosystem;

Function

RNA binding; protein binding; translation initiation factor activity;

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