

Recombinant Human TIMM22 293 Cell Lysate

Cat. No. TIMM22-1068HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for translocase of inner mitochondrial membrane 22 homolog (yeast) (TIMM22), nuclear gene encoding mitochondrial protein 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 TIMM22 translocase of inner mitochondrial membrane 22 homolog (yeast) [Homo sapiens]

Official Symbol TIMM22

Synonyms TIMM22; translocase of inner mitochondrial membrane 22 homolog (yeast); testis expressed sequence 4 , TEX4; mitochondrial import inner membrane translocase subunit Tim22; putative membrane protein; testis-expressed sequence 4; TEX4; TIM22;

Gene ID 29928

mRNA Refseq NM_013337

Protein Refseq NP_037469

MIM 607251

UniProt ID Q9Y584

Chromosome Location 17p13

Pathway Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, organism-specific biosystem;

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