Recombinant Human TIMM50 293 Cell Lysate

Cat. No. TIMM50-1066HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for translocase of inner mitochondrial membrane 50 homolog (S. cerevisiae) (TIMM50), 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	TIMM50 translocase of inner mitochondrial membrane 50 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	TIMM50
Synonyms	TIMM50; translocase of inner mitochondrial membrane 50 homolog (S. cerevisiae); translocase of inner mitochondrial membrane 50 homolog (yeast); mitochondrial import inner membrane translocase subunit TIM50; TIM50L; Tim50-like protein; homolog of yeast Tim50; TIM50; MGC102733;
Gene ID	92609
mRNA Refseq	NM_001001563
Protein Refseq	NP_001001563
MIM	607381
UniProt ID	Q3ZCQ8
Chromosome Location	19q13.2
Pathway	Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, organism-specific biosystem;

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