

Recombinant Human MLST8 293 Cell Lysate

Cat. No. MLST8-4288HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for MTOR associated protein, LST8 homolog (<i>S. cerevisiae</i>) (MLST8) 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

MLST8 MTOR associated protein, LST8 homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

MLST8

Synonyms

MLST8; MTOR associated protein, LST8 homolog (*S. cerevisiae*); target of rapamycin complex subunit LST8; G protein beta subunit like; GbetaL; GBL; Lst8; Pop3; gable; protein GbetaL; TORC subunit LST8; mammalian lethal with SEC13 protein 8; LST8; POP3; WAT1; MGC111011;

Gene ID

64223

mRNA Refseq

NM_001199173

Protein Refseq

NP_001186102

MIM

612190

UniProt ID

Q9BVC4

Chromosome Location

16p13.3

Pathway

Adaptive Immune System, organism-specific biosystem; CD28 co-stimulation, organism-specific biosystem; CD28 dependent PI3K/Akt signaling, organism-specific biosystem; CXCR3-mediated signaling events, organism-specific biosystem; CXCR4-

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mediated signaling events, organism-specific biosystem; Class I PI3K signaling events mediated by Akt, organism-specific biosystem; Costimulation by the CD28 family, organism-specific biosystem;

Function

protein binding;

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