Recombinant Human MLST8 293 Cell Lysate

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

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for MTOR associated protein, LST8 homolog (S. cerevisiae) (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.
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

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

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	family, organism-specific biosystem;
Function	protein binding;

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