

Recombinant Human MCOLN1 293 Cell Lysate

Cat. No. MCOLN1-4414HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for mucolipin 1 (MCOLN1) 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 mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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GENE INFORMATION

Gene Name MCOLN1 mucolipin 1 [Homo sapiens]

Official Symbol MCOLN1

Synonyms MCOLN1; mucolipin 1; mucolipin-1; ML4; MLIV; MST080; MSTP080; TRPM L1; TRPML1; mucolipidin; mucolipidosis type IV protein; MG-2; TRP-ML1; TRPM-L1;

Gene ID 57192

mRNA Refseq NM_020533

Protein Refseq NP_065394

MIM 605248

UniProt ID Q9GZU1

Chromosome Location 19p13.2

Pathway Iron uptake and transport, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Transferrin endocytosis and recycling, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem;

Function cation channel activity;

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