

Recombinant Human MGLL 293 Cell Lysate

Cat. No. MGLL-4330HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for monoglyceride lipase (MGLL), transcript variant 1 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 MGLL monoglyceride lipase [Homo sapiens]

Official Symbol MGLL

Synonyms MGLL; monoglyceride lipase; HU K5; MGL; monoacylglycerol lipase; lysophospholipase homolog; HUK5; MAGL; HU-K5;

Gene ID 11343

mRNA Refseq NM_007283

Protein Refseq NP_009214

MIM 609699

UniProt ID Q99685

Chromosome Location 3p13-q13.33

Pathway Acylglycerol degradation, organism-specific biosystem; Acylglycerol degradation, conserved biosystem; Arachidonate production from DAG, organism-specific biosystem; Effects of PIP2 hydrolysis, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem;

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Function

acylglycerol lipase activity; carboxylesterase activity; hydrolase activity; lipid binding;
lysophospholipase activity; protein homodimerization activity;

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