

Recombinant Human MAGEA1 293 Cell Lysate

Cat. No. MAGEA1-4558HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for melanoma antigen family A, 1 (directs expression of antigen MZ2-E) (MAGEA1) 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	MAGEA1 melanoma antigen family A, 1 (directs expression of antigen MZ2-E) [Homo sapiens]
Official Symbol	MAGEA1
Synonyms	MAGEA1; melanoma antigen family A, 1 (directs expression of antigen MZ2-E); MAGE1; melanoma-associated antigen 1; cancer/testis antigen family 1; member 1; CT1.1; melanoma antigen family A 1; melanoma antigen MAGE 1; melanoma associated antigen 1; melanoma associated antigen MZ2 E; MGC9326; antigen MZ2-E; MAGE-1 antigen; melanoma antigen MAGE-1; cancer/testis antigen 1.1; melanoma-associated antigen MZ2-E; cancer/testis antigen family 1, member 1;
Gene ID	4100
mRNA Refseq	NM_004988
Protein Refseq	NP_004979
MIM	300016
UniProt ID	P43355
Chromosome Location	Xq28

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Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem;
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Function	histone deacetylase binding; protein binding;
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