

Recombinant Human AZIN1 293 Cell Lysate

Cat. No. AZIN1-8551HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for antizyme inhibitor 1 (AZIN1), transcript variant 2 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

AZIN1 antizyme inhibitor 1 [Homo sapiens]

Official Symbol

AZIN1

Synonyms

AZIN1; antizyme inhibitor 1; OAZIN, ornithine decarboxylase antizyme inhibitor; OAZI; ODC1L; ornithine decarboxylase 1 like; AZI; ornithine decarboxylase antizyme inhibitor; OAZIN; MGC691; MGC3832;

Gene ID

51582

mRNA Refseq

NM_148174

Protein Refseq

NP_680479

MIM

607909

UniProt ID

O14977

**Chromosome
Location**

8p22-q21.3

Pathway

Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Regulation of ornithine decarboxylase (ODC), organism-specific biosystem;

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Function

enzyme inhibitor activity; ornithine decarboxylase activator activity; ornithine decarboxylase inhibitor activity;

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