

Recombinant Human ID3 293 Cell Lysate

Cat. No. ID3-5310HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for inhibitor of DNA binding 3, dominant negative helix-loop-helix protein (ID3) 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

ID3 inhibitor of DNA binding 3, dominant negative helix-loop-helix protein [Homo sapiens]

Official Symbol

ID3

Synonyms

ID3; inhibitor of DNA binding 3, dominant negative helix-loop-helix protein; DNA-binding protein inhibitor ID-3; bHLHb25; HEIR 1; helix-loop-helix protein HEIR-1; ID-like protein inhibitor HLH 1R21; class B basic helix-loop-helix protein 25; HEIR-1;

Gene ID

3399

mRNA Refseq

NM_002167

Protein Refseq

NP_002158

MIM

600277

UniProt ID

Q02535

Chromosome Location

1p36.13-p36.12

Pathway

Adipogenesis, organism-specific biosystem; Id Signaling Pathway, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;

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Function

protein domain specific binding; transcription corepressor activity; transcription factor binding;

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