

Recombinant Human DDO 293 Cell Lysate

Cat. No. DDO-7025HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for D-aspartate oxidase (DDO), 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 DDO D-aspartate oxidase [Homo sapiens]

Official Symbol DDO

Synonyms DDO; D-aspartate oxidase; aspartic oxidase; D-aspartate oxidase, DDO; DASOX; DDO-1; DDO-2; FLJ45203;

Gene ID 8528

mRNA Refseq NM_003649

Protein Refseq NP_003640

MIM 124450

UniProt ID Q99489

Chromosome Location 6q22.1

Pathway Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;

Function D-amino-acid oxidase activity; D-aspartate oxidase activity; D-aspartate oxidase

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activity; nucleotide binding; oxidoreductase activity; protein binding;

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