

Recombinant Human AOX1 293 Cell Lysate

Cat. No. AOX1-8821HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for aldehyde oxidase 1 (AOX1) 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.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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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	AOX1 aldehyde oxidase 1 [Homo sapiens]
Official Symbol	AOX1
Synonyms	AOX1; aldehyde oxidase 1; aldehyde oxidase; AO; AOH1;
Gene ID	316
mRNA Refseq	NM_001159
Protein Refseq	NP_001150
MIM	602841
UniProt ID	Q06278
Chromosome Location	2q33
Pathway	Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Metabolic pathways, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem; Nicotinate and nicotinamide metabolism, conserved biosystem; Nicotine metabolism, organism-specific biosystem; Tryptophan metabolism, organism-specific biosystem;
Function	2 iron, 2 sulfur cluster binding; NAD binding; UDP-N-acetylmuramate dehydrogenase

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activity; aldehyde oxidase activity; electron carrier activity; flavin adenine dinucleotide binding; iron ion binding; metal ion binding; molybdopterin cofactor binding; oxidoreductase activity, acting on CH-OH group of donors; xanthine dehydrogenase activity;

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