

## Recombinant Human AOX1 293 Cell Lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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.

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## 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 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](#)

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