

## Recombinant Human AOX1 protein, MYC/DDK-tagged

Cat. No. AOX1-18H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AOX1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Aldehyde oxidase produces hydrogen peroxide and, under certain conditions, can catalyze the formation of superoxide. Aldehyde oxidase is a candidate gene for amyotrophic lateral sclerosis.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	147.7 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

<b>Gene Name</b>	AOX1 aldehyde oxidase 1 [ Homo sapiens ]
<b>Official Symbol</b>	AOX1

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<b>Synonyms</b>	AOX1; aldehyde oxidase 1; aldehyde oxidase; AO; AOH1;
<b>Gene ID</b>	<a href="#">316</a>
<b>mRNA Refseq</b>	<a href="#">NM_001159</a>
<b>Protein Refseq</b>	<a href="#">NP_001150</a>
<b>MIM</b>	<a href="#">602841</a>
<b>UniProt ID</b>	<a href="#">Q06278</a>
<b>Chromosome Location</b>	2q33
<b>Pathway</b>	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;
<b>Function</b>	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 activity;

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