

Recombinant Human AOX1 protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	Recombinant Human AOX1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	147.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	AOX1 aldehyde oxidase 1 [Homo sapiens]
Official Symbol	AOX1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 activity;