

Active Recombinant Human AOX1 Protein

Cat. No. AOX1-110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AOX1 protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
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.
Bio-activity	AOX Activity Data(Assays are carried out at 37 centigrade in 25 mM potassium phosphate buffer (pH 7.4) containing 0.1 mM EDTA. The reaction is linear with protein concentration up to 1.0 mg/ml at 10 μM phthalazine) Substrate: Phthalazine Vmax: 337 pmol/min/mg protein Km: 12 μM
Usage	For laboratory (research) purposes only
Storage	Store at -80 centigrade. Avoid frequent temperature changes. Thaw on ice.
Concentration	Protein Concentration: 10.0 mg/ml
Storage Buffer	25 mM potassium phosphate (pH 7.4) containing 0.1 mM EDTA

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GENE INFORMATION

Gene Name	AOX1 aldehyde oxidase 1 [Homo sapiens (human)]
Official Symbol	AOX1
Synonyms	AOX1; aldehyde oxidase 1; AO; AOH1; aldehyde oxidase; azaheterocycle hydroxylase
Gene ID	316
mRNA Refseq	NM_001159
Protein Refseq	NP_001150
MIM	602841
UniProt ID	Q06278

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