

Recombinant Human AOC3 cell lysate

Cat. No. AOC3-85HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The product is a major protein on the adipocyte plasma membrane. It has adhesive properties and also has functional monoamine oxidase activity. A pseudogene for this gene has been described and is located approximately 9-kb downstream.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	AOC3 amine oxidase, copper containing 3 (vascular adhesion protein 1) [Homo sapiens]
Official Symbol	AOC3
Synonyms	AOC3; amine oxidase, copper containing 3 (vascular adhesion protein 1); membrane primary amine oxidase; HPAO; VAP 1; VAP1; copper amine oxidase; vascular

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	adhesion protein 1; semicarbazide-sensitive amine oxidase; SSAO; VAP-1;
Gene ID	8639
mRNA Refseq	NM_003734
Protein Refseq	NP_003725
MIM	603735
UniProt ID	Q16853
Chromosome Location	17q21
Pathway	Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Phenylalanine metabolism, organism-specific biosystem; Phenylalanine metabolism, conserved biosystem; Tyrosine metabolism, organism-specific biosystem; Tyrosine metabolism, conserved biosystem;
Function	aliphatic-amine oxidase activity; aminoacetone:oxygen oxidoreductase(deaminating) activity; calcium ion binding; cation channel activity; copper ion binding; copper ion binding; oxidoreductase activity; phenethylamine:oxygen oxidoreductase (deaminating) activity; primary amine oxidase activity; protein homodimerization activity; quinone binding; tryptamine:oxygen oxidoreductase (deaminating) activity;