Active Recombinant Human AOC3 protein, His-tagged

Cat. No. AOC3-564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AOC3(Gly27-Asn763) fused with an N-terminal Met and 10-His tag, followed by a Gly-Gly-Gly-Ser-Gly-Gly-Gly-Ser-Gly-Gly-Gly-Ser-Ile-Glu-Gly-Arg linker, was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	27-763 a.a.
Predicted N Terminal	Met
Form	Supplied as a 0.2 μm filtered solution in HEPES and NaCl.
Bio-activity	Measured by its ability to produce hydrogen peroxide during the oxidation of benzylamine. The specific activity is >8 pmol/min/μg.
Molecular Mass	Predicted Molecular Mass: 85 kDa;SDS-PAGE: 80-90 kDa, reducing conditions.
Endotoxin	<1.0 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 μg per lane.
Storage	Avoid repeated freeze-thaw cycles.6 months from date of receipt, -20 to -70

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

	centigrade as supplied.3 months, -20 to -70 centigrade under sterile conditions after opening.

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 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,

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	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;

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