

Active Recombinant Human AOC1, His-tagged

Cat. No. AOC1-500H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AOC1 (Accession # CAA55046) Glu20-Val751, fused with a N-terminal 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
ProteinLength	20-751 a.a.
Predicted N Terminal	Inconclusive, His predicted. Protein identity confirmed by MS analysis of tryptic fragments.
Form	Supplied as a 0.2 µ filtered solution in HEPES, NaCl, Glycerol.
Bio-activity	Measured by its ability to produce hydrogen peroxide during the oxidation of histamine. The specific activity is >115 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human AOC1, His-tagged has a calculated MW of 84 kDa. In SDS-PAGE migrates as 83-92 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.

 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

Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).
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GENE INFORMATION

Gene Name	AOC1 amine oxidase, copper containing 1 [Homo sapiens (human)]
Official Symbol	AOC1
Synonyms	AOC1; amine oxidase, copper containing 1; ABP; DAO; KAO; ABP1; DAO1amiloride-sensitive amine oxidase [copper-containing]; amiloride binding protein 1 (amine oxidase (copper-containing)); amiloride-binding protein 1; amiloride-sensitive amine oxidase; amine oxidase copper domain-containing protein 1; diamine oxidase; histaminase; kidney amine oxidase; NP_001082.2; EC 1.4.3.22; NP_001259001.1
Gene ID	26
mRNA Refseq	NM_001091
Protein Refseq	NP_001082
MIM	104610
UniProt ID	P19801
Chromosome Location	7q36.1

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