Recombinant Full Length Human AOC1 Protein, C-Flag-tagged

Cat. No. AOC1-2148HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human AOC1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a metal-binding membrane glycoprotein that oxidatively deaminates putrescine, histamine, and related compounds. The encoded protein is inhibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	83.4 kDa
AA Sequence	MPALGWAVAAILMLQTAMAEPSPGTLPRKAGVFSDLSNQELKAVHSFLWSKKELRL QPSSTTTMAKNTVF LIEMLLPKKYHVLRFLDKGERHPVREARAVIFFGDQEHPNVTE FAVGPLPGPCYMRALSPRPGYQSSWAS RPISTAEYALLYHTLQEATKPLHQFFLNT TGFSFQDCHDRCLAFTDVAPRGVASGQRRSWLIIQRYVEGY FLHPTGLELLVDHGS TDAGHWAVEQVWYNGKFYGSPEELARKYADGEVDVVVLEDPLPGGKGHDSTEEP P LFSSHKPRGDFPSPIHVSGPRLVQPHGPRFRLEGNAVLYGGWSFAFRLRSSSGL QVLNVHFGGERIAYEV SVQEAVALYGGHTPAGMQTKYLDVGWGLGSVTHELAPGI DCPETATFLDTFHYYDADDPVHYPRALCLFE MPTGVPLRRHFNSNFKGGFNFYAGL

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

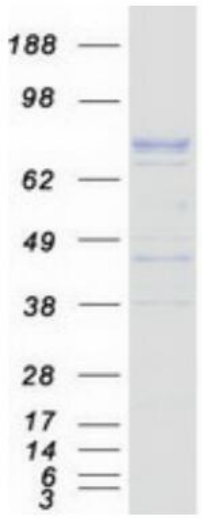
	KGQVLVLRTTSTVYNYDYIWDFIFYPNGVMEAKMHATGYVHATFY TPEGLRHGTRL HTHLIGNIHTHLVHYRVDLDVAGTKNSFQTLQMKLENITNPWSPRHRVVQPTLEQTQ YS WERQAAFRFKRKLPKYLLFTSPQENPWGHKRSYRLQIHSMADQVLPPGWQEE QAITWARYPLAVTKYRES ELCSSSIYHQNDPWDPPVVFEQFLHNNENIENEDLVAW VTVGFLHIPHSEDIPNTATPGNSVGFLLRPFN FFPEDPSLASRDTVIVWPRDNGPNY VQRWIPEDRDCSMPPPFSYNGTYRPV TRTRPLEQKLISEEDLAANDILDYKDDDDK V
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Protein Pathways	Arginine and proline metabolism, Histidine metabolism, Tryptophan metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	AOC1 amine oxidase copper containing 1 [Homo sapiens (human)]
Official Symbol	AOC1

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Synonyms	ABP; DAO; KAO; ABP1; DAO1
Gene ID	26
mRNA Refseq	NM_001091.4
Protein Refseq	NP_001082.2
MIM	104610
UniProt ID	P19801



Coomassie blue staining of purified AOC1 protein.

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