

Recombinant Full Length Human AOC3 Protein, GST-tagged

Cat. No. AOC3-1069HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AOC3 full-length ORF (AAH50549.1, 1 a.a. - 763 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	763 amino acids
Description	This gene encodes a member of the semicarbazide-sensitive amine oxidase family. Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The encoded protein is localized to the cell surface, has adhesive properties as well as monoamine oxidase activity, and may be involved in leukocyte trafficking. Alterations in levels of the encoded protein may be associated with many diseases, including diabetes mellitus. A pseudogene of this gene has been described and is located approximately 9-kb downstream on the same chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]
Molecular Mass	111 kDa
AA Sequence	MNQKTILVLL ILAVITIFAL VCVLLVGRGG DGGEPSQLPH CPSVSPSAQP WTHPGQSQLF ADLSREELTA VMRFLTQRLG PGLVDAAQAR PSDNCVFSVE LQLPPKAAAL AHLDRGSPPP AREALAIFFF GRQPQPNVSE LVGGLPHPS YMRDVTVERH GGPLPYHRRP VLFQEYLDID QMIFNRELPQ ASGLLHHCCF

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YKHRGRNLVT MTTAPRGLQS GDRATWFGLY YNISGAGFFL HHVGLELLVN
 HKALDPAWRT IQKVFYQGRY YDSLAQLEAQ FEAGLVNVVL IPDNGTGGSW
 SLKSPVPPGP APPLQFYPQG PRFSVQGSRV ASSLWTFSG LGAFSGPRIF
 DVRFQGERLV YEISLQEALA IYGGNSPAAM TTRYVDGGFG MGKYTTPLTR
 GVDCPYLATY VDWHLLESQ APKTIRDAFC VFEQNQGLPL RRHSDLYSH
 YFGGLAETVL VVRSMSTLLN YDYVWDTVFH PSGAIEIRFY ATGYISSAFL
 FGATGKYGNQ VSEHTLGT VH THSAHFKVDL DVAGLENVWV AEDMVFPMA
 VPWSPEHQLQ RLQVTRKLE MEEQAAFLVG SATPRYLYLA SNHSNKWGH
 RGYRIQMLSF AGEPLQNSS MARGFSWERY QLAVTQRKEE EPSSSSVFNQ
 NDPWAPTVD SDFINNETIA GKDLVAWVTA GFLHIPHAED IPNTVTVGNG
 VGFFLRPYNF FDEDPSFYSA DSIYFRGDQD AGACEVNPLA CLPQAAACAP
 DLPAFSGGGF SHN

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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Gene ID	8639
mRNA Refseq	NM_003734
Protein Refseq	NP_003725
MIM	603735
UniProt ID	Q16853

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