

## Active Recombinant Human AOC3 protein

**Cat. No.** AOC3-9402H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human AOC3(27-763 aa) was expressed in CHO.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 27-763 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | Vascular adhesion protein1 (VAP1) is a type II membrane cell adhesion protein belonging to the copper/topaquinone oxidase family and functions both as an enzyme and an adhesion molecule for lymphocytes. VAP-1 is primarily expressed on the high endothelial venules of peripheral lymph nodes and on hepatic endothelia. Inhibition of VAP-1 can protect against inflammation related damage to certain injured tissues. |
| <b>Bio-activity</b>     | Measured by its ability to produce hydrogen peroxide during the oxidation of benzylamine. The specific activity > 16 pMoles/min/g of VAP-1.                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | Recombinant VAP-1 is a mixture of monomeric and disulfide linked homodimeric forms of a 737 amino acid polypeptide corresponding to amino acids 27 to 763 of the VAP-1 precursor.                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | GRGGDGGEPS QLPHCPSVSP SAQPWTHPGQ SQLFADLSRE ELTAVMRFLT<br>QRLGPGLVDA AQARPSDNCV FSVELQLPPKAAALAHLD RG SPPPAREALA<br>IVFFGRQPQP NVSELVVGPL PPHSYMRDVT VERHGGPLPY HRRPVLFQEY<br>LDIDQMIFNRELPQASGLLH HCCFYKHRGR NLVTMTTAPR GLQSGDRATW                                                                                                                                                                                          |

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FGLYYNISGA GFFLHHVGLL LLVNHKALDP ARWTIQKVFY  
 QGRYYDSLAQ LEAQFEAGLV NVVLIPDNGT GGSWSLKSPV PPGPAPPLQF  
 YPQGPRFSVQ GSRVASSLWT FSFGLGAFSGPRIFDVRFQG ERLVYEISLQ  
 EALAIYGGNS PAAMTTRYVD GGFGMGKYTT PLTRGVDCPY LATYVDWHFL  
 LESQAPKTIRDAFCVFEQNQ GLPLRRHHSD LYSHYFGGLA ETVLVVRSMS  
 TLLNYDYVWD TVFHPSGAIE IRFYATGYIS SAFLFGATGK  
 YGNQVSEHTL GTVHTHSAHF KVDLDVAGLE NWWAEDMVF VPMAMPWSPE  
 HQLRLQVTR KLLMEEQAA FLVGSATPRYLYLASNHSNK WGHPRGYRIQ  
 MLSFAGEPLP QNSSMARGFS WERYQLAVTQ RKEEEPSSSS VFNQNDPWAP  
 TVDFSDFINNETIAGKDLVA WVTAGFLHIP HAEDIPNTVT VGNGVGFFLR  
 PYNFFDEDPS FYSADSIYFR GDQDAGACEV NPLACLPQAA  
 ACAPDLPAFS HGGFSHN

**Endotoxin** Endotoxin level is <0.1 ng/μg of protein (<1 EU/μg).

**Purity** 98%

**Applications** Bioassay

**Storage** Store product at -20 centigrade.

## 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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