

Active Recombinant Human AOC3 protein

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

SPECIFICATION

Product Overview	Recombinant Human AOC3(27-763 aa) was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	27-763 a.a.
Description	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.
Bio-activity	Measured by its ability to produce hydrogen peroxide during the oxidation of benzylamine. The specific activity > 16 pMoles/min/g of VAP-1.
Molecular Mass	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.
AA Sequence	GRGGDGGEPS QLPHCPSVSP SAQPWTHPGQ SQLFADLSRE ELTAVMRFLT QRLGPGLVDA AQARPSDNCV FSVELQLPPKAAALAHLD RG SPPPARREALA IVFFGRQPQP NVSELVVGPL PPHSYMRDVT VERHGGPLPY HRRPVLFQEY LDIDQMIFNRELPQASGLLH HCCFYKHRGR NLVTMTTAPR GLQSGDRATW

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FGLYYNISGA GFFLHHVGLE 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 KLEEMEEQAA 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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