

AOC3 Protein, Human (HEK293, His)

Cat. No.:	HY-P70065
Synonyms:	rHuMembrane primary amine oxidase/AOC3, His; Membrane primary amine oxidase; Copper amine oxidase; HPAO; Semicarbazide-sensitive amine oxidase; SSAO; Vascular adhesion protein 1; VAP-1; AOC3; VAP1
Species:	Human
Source:	HEK293
Accession:	Q16853 (R28-N763)
Gene ID:	8639
Molecular Weight:	Approximately 95 kDa

PROPERTIES

AA Sequence

RGGDGGGEP SQ	LPHCPSVSP S	AQPWTHPGQS	QLFADLSREE
LTAVMRFLTQ	RLGPGLVDA A	QARPSDNCVF	SVELQLPPKA
AALAHLD RGS	PPPAREALAI	VFFGRQPQPN	VSELVVGPLP
HPSYMRDVT V	ERHGGPLPYH	RRPVLFQEYL	DIDQMI FNRE
LPQASGLLHH	CCFYKHRGRN	LVTMTTAPRG	LQSGDRATWF
GLYYNISGAG	FFLHHVGLEL	LVNHKALDPA	RWTIQKVFYQ
GRYYDSL AQL	EAQFEAGLVN	VVLI PDNGTG	GSWSLKSPVP
PGPAPPLQFY	PQGPRFSVQG	SRVASSLWTF	SFGLGAFSGP
RIFDVRFQGE	RLVYEISLQE	ALAIYGGNSP	AAMTTRYVDG
GFGMGKYTTP	LTRGVDCPYL	ATYVDWHFLL	ESQAPKTI RD
AFCVFEQNQG	LPLRRHHS DL	YSHYFGGLAE	TVLVVRS MST
LLNYDYVWDT	VFHPSGAIEI	RFYATGYISS	AFLFGATGKY
GNQVSEHTLG	TVHTSAHF K	VDLDVAGLEN	WVWAEDMV FV
PMAVPWSPEH	QLQRLQVTRK	LLEMEEQAAF	LVGSATPRYL
YLASNHSNKW	GHPRGYRIQM	LSFAGEPLPQ	NSSMARGFSW
ERYQLAVTQR	KEEEPSSSSV	FNQNDPWAPT	VDFSDFINNE
TIAGKDLVAW	VTAGFLHIPH	AEDIPNTVTV	GNGVGFFLRP
YNFFDEDP SF	YSADSIYFRG	DQDAGACEVN	PLACL PQAAA
CAPDLPAFSH	GGFSHN		

Biological Activity The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

Appearance Solution.

Formulation Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 500 mM NaCl, pH 8.0.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution N/A

Storage & Stability

Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping

Shipping with dry ice.

DESCRIPTION**Background**

AOC3, or amine oxidase, copper-containing 3, functions as a cell adhesion protein crucial for lymphocyte extravasation and recirculation. It facilitates the binding of lymphocytes to peripheral lymph node vascular endothelial cells in a manner independent of L-selectin. Additionally, AOC3 exhibits semicarbazide-sensitive monoamine oxidase (SSAO) activity, suggesting its involvement in the oxidative deamination of primary amines. Beyond its role in immune cell interactions, AOC3 may also play a part in adipogenesis, contributing to the complex processes underlying the formation and development of adipose tissue.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA