
Product Data Sheet

Product Name: AOC3 Human
 Cat. No.: GP26124
 Batch No.: 1

Product Data

Purity >98% Source Sf9,Baculovirus cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms VAP-1, AOC3, HPAO, VAP1, Membrane primary amine oxidase, Copper amine oxidase, HPAO, Semicarbazidesensitive amine oxidase, SSAO, Vascular adhesion protein 1.

Amino Acid Sequence
 ADPGRGGDGG EPSQLPHCPS VPSAQPWTH PGQSQLFADL SREELTAVMR
 FLTQRLGPGL VDAAQARPSD NCVFSVELQL PPKAAALAH DRGSPPPARE
 ALAIVFFGRQ PQPNVSELVV GPLPHPSYMR DVTVERHGGP LPYHRRPVLF
 QEYLDIDQMI FNRELPQASG LLHHCCFYKH RGRNLVTMTT APRGLQSGDR
 ATWFGLYYNI SGAGFFLHHV GLELLVNHKA LDPARWTIQK VFYQGRIYDS
 LAQLEAQFEA GLVNVVLIPD NGTGGGWSLK SPVPPGPAPP LQFYQGPFRF
 SVQGSRVASS LWTF SFGLGA FSGPRIFDVR FQGERLVYEI SLQEALAIYG
 GNSPAAMTTR YVDGGFGMGK YTTPLTRGVD CPYLATYVDW HFLLESQAPK
 TIRDAFCVFE QNQGLPLRRH HSDLYSHYFG GLAETVLVVR SMSTLLNYDY
 VWDTVFHPSG AIEIRFYATG YISSAFLFGA TGKYGNQVSE HTLGTVHTHS
 AHFKVDLDVA GLENWVWAED MVFVPMAPVW SPEHQLQRLQ VTRKLLEMEE
 QAAFLVGSAT PRYLYLASNH SNKWGHPRGY RIQMLSFAGE PLPQNSSMAR
 GFSWERYQLA VTQRKEE EPS SSSVFNQNDP WAPTVD FSD F INNETIAGKD
 LVAVVTAGFL HIPHAEDIPN TVTVGNGVGF FLRPYNFFDE DPSFY SADS I
 YFRGDQDAGA CEVNPLACL P QAAACAPDLP AFSHGGF SHN HHHHHH

Formulation The AOC3 solution (0.25 mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

Introduction

Amine Oxidase Copper Containing 3 , also referred to AOC3, a copper amine oxidase with a topaquinone cofactor. AOC3 is a cell adhesion protein which participates in recirculation & extravasation of lymphocyte by mediating the binding of lymphocytes to

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

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peripheral lymph node vascular endothelial cells in an L-selectin independent fashion. Amine Oxidase Copper Containing 3 acts in adipogenesis. The protein catalyzes the oxidative deamination of small primary amines such as methylamine, benzylamine & aminoacetone in a reaction that produces an aldehyde, ammonia and H₂O₂.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

AOC3 Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 746 amino acids (27-763 aa) and having a molecular mass of 82.8kDa. AOC3 is fused to a 9 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

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