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Product Information

MemDX™ Membrane Protein Human AOC3 (Amine oxidase copper containing 3) for Antibody Discovery

Cat. No.: **MP0037X**
This product is for research use only and is not intended for diagnostic use.

This product is a 111 kDa Human AOC3 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
AOC3

Protein Length
Full-length

Molecular Weight
111 kDa

TMD
1

Sequence
MNQKTILVLLILAVITIFALVCVLLVGRGGDGGEPSQLPHCPSVSPSAQPWTHPGQSQLFADLSREELTAVMRFLTQRLGPGLVDAA

Product Description

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

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

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

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

AOC3

Full Name

Amine oxidase copper containing 3

Introduction

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

Alternative Names

HPAO; SSAO; VAP-1; VAP1; amine oxidase, copper containing 3; copper amine oxidase,semicarbazide-sensitive amine oxidase,vascular adhesion protein 1

Gene ID

8639

UniProt ID

Q16853

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