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Product Information

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

Cat. No.: **MP0036Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 82 kDa Human AOC3 membrane protein expressed in CHO. 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
Partial

Protein Class
Transmembrane

Molecular Weight
82 kDa

TMD
1

Sequence
GRGGDGGEPSQLPHCPSVSPSAQPWTHPGQSQLFADLSREELTAVMRFLTQRLGPGLVDAAQARPSDNCVFSVELQLPPKAAAL

Product Description

Expression Systems
CHO

Tag
Tag Free

Form
Powder

Endotoxin

< 1 EU/μg

Purity

>95% as determined by SDS-PAGE and Coomassie blue staining

Buffer

0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2

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; membrane primary amine oxidase; amine oxidase, copper containing 3 (vascular adhesion protein 1); copper amine oxidase; Vascular adhesion protein 1; placenta copper monamine oxidase; Semicarbazide-sensitive amine oxidase

Gene ID

8639

UniProt ID

Q16853

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