9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

AOC1 Human

Amine Oxidase Copper Containing 1 Human Recombinant
RCP0077

Product Overview

Name	AOC1 Human

Description

Amine Oxidase Copper Containing 1 Human Recombinant

Accession (Primary)	P19801

Synonyms

Amiloride-sensitive amine oxidase (copper-containing), DAO, Diamine oxidase, Amiloride-binding protein 1, Amine oxidase copper domain-containing protein 1, Histaminase, Kidney amine oxidase, KAO, ABP, ABP1, DAO1

Introduction

Amine Oxidase Copper Containing 1 or AOC1 is n enzyme, part of the copper-containing amine oxidase group of proteins. AOC1 is responsible for oxidation of many different biogenic amines, such as neurotransmitters, xenobiotic amines & histamine. Dietary histamine intolerance and histaminosis can be caused from AOC1 deficiencies. This enzyme can also cause Tumor Progression by AKT & EMT transduction promotion in stomach cancer.

Source

HEK293 Cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The AOC1 solution (0.25mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

EPSPGTLPRK AGVFSDLSNQ ELKAVHSFLW SKKELRLQPS STTTMAKNTV FLIEMLLPKK YHVLRFLDKG ERHPVREARA VIFFGDQEHP NVTEFAVGPL PGPCYMRALS PRPGYQSSWA SRPISTAEYA LLYHTLQEAT KPLHQFFLNT TGFSFQDCHD RCLAFTDVAP RGVASGQRRS WLIIQRYVEG YFLHPTGLEL LVDHGSTDAG HWAVEQVWYN GKFYGSPEEL ARKYADGEVD VVVLEDPLPG GKGHDSTEEP PLFSSHKPRG DFPSPIHVSG

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PRLVQPHGPR FRLEGNAVLY GGWSFAFRLR SSSGLQVLNV HFGGERIAYE VSVQEAVALY GGHTPAGMQT KYLDVGWGLG SVTHELAPGI DCPETATFLD TFHYYDADDP VHYPRALCLF EMPTGVPLRR HFNSNFKGGF NFYAGLKGQV LVLRTTSTVY NYDYIWDFIF YPNGVMEAKM HATGYVHATF YTPEGLRHGT RLHTHLIGNI HTHLVHYRVD LDVAGTKNSF QTLQMKLENI TNPWSPRHRV VQPTLEQTQY SWERQAAFRF KRKLPKYLLF TSPQENPWGH KRTYRLQIHS MADQVLPPGW QEEQAITWAR YPLAVTKYRE SELCSSSIYH QNDPWHPPVV FEQFLHNNEN IENEDLVAWV TVGFLHIPHS EDIPNTATPG NSVGFLLRPF NFFPEDPSLA SRDTVIVWPR DNGPNYVQRW IPEDRDCSMP PPFSYNGTYR PV HHHHHH

Precautions

AOC1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P19801)