

32-13036: AOC1 Human

Alternative Name : 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

Description

Source: HEK293 Cells.

Sterile Filtered colorless solution.

Amine Oxidase Copper Containing 1 or AOC1 is an 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.

AOC1 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (20-751 a.a) containing a total of 738 amino acids, having a molecular mass of 84.2kDa. AOC1 is fused to a 6 amino acid His-tag at C-terminus, and is purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

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

Storage condition : 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.

Amino Acid : EPSPGTLPRK AGVFSDSLNSQ ELKAVHSFLW SKKELRLQPS STTTMAKNTV FLIEMLLPKK YHVLRFLLDKG ERHPVREARA VIFFGDQEHF NVTEFAVGPL PGPCYMRALS PRPGYQSSWA SRPISTAEYA LLYHTLQEAT KPLHQFFLNT TGFSFQDCHD RCLAFTDVAP RGVASGQRRS WLIIQRYVEG YFLHPTGLEL LVDHGSTDAG HWAVEQVWYN GKFYGSPEEL ARKYADGEVD VVLEDPLPG GKGHDSTEEP PLFSSHKPRG DFPSPHVSF PRLVQPHGPR FRLEGNAVLY GGWSFAFRLR SSSGLQVLNV HFGGERIAYE VSVQEAVALY GGHTPAGMQT KYLDVGVWGLG SVTHELAPGI DCPETATFLD TFHYDADDP VHYPRALCLF EMPTGVPLRR HFNSNFKGGF NFYAGLKGQV LVLRTTSTVY NYDYIWFIF YPNGVMEAKM HATGYVHATF YTPGLRHGT RLHHTLIGNI HTHLVHYRVD LDVAGTKNSF QTLQMKLENI TNPWSPRHRV VQPTLEQTQY SWERQAAFRR KRKLPKYLFF TSPQENPWGH KRTYRLQIHS MADQVLPPGW QEEQAITWAR YPLAVTKYRE SELCSSSIYH QNDPWHPVV FEQFLHNNEN IENEDLVAWV TVGFLHIPHS EDIPNTATPG NSVGFLLRPF NFFPEDPSLA SRDTVIVWPR DNGPNYVQRW IPEDRDCSMP PPFYNGTYR PVHHHHHH