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32-8468: Recombinant Human Diamine Oxidase/DAO/AOC1 (C-6His)

Gene : AOC1
Gene ID : 26
Uniprot ID : P19801

Description

Source: Human Cells.
MW :84.4kD.
Recombinant Human Amiloride-binding protein 1 is produced by our Mammalian expression system and the target gene encoding Glu20-Val751 is expressed with a 6His tag at the C-terminus. Amiloride-sensitive amine oxidase (AOC1) belongs to the copper/topaquinone oxidase family. The protein exists as homodimer by disulfide and mainly located in placenta and kidney. AOC1 catalyzes the degradation of compounds such as putrescine, histamine, spermine, and spermidine, substances involved in allergic and immune responses, cell proliferation, tissue differentiation, tumor formation, and possibly apoptosis. Placental DAO is thought to play a role in the regulation of the female reproductive function. The activity of this protein can be inhibited by amiloride in a competitive manner. It is inhibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl,10% Glycerol,pH7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : EPSPGTLPRKAGVFSDLSNQELKAVHSFLWSKKELRLQPSSTTTMAKNTVFLIEMLLPKKYHVLRFLDKGERHPV
REARAVIFFGDQEHPNVTEFAVGPLPGPCYMRALSPRPGYQSSWASRPISTAEYALLYHTLQEATKPLHQFFLNT
TGFSFQDCHDRCLAFTDVAPRGVASGQRRSWLIIQRYVEGYFLHPTGLELLVDHGSTDAGHWAVEQVWYNGK
FYGSPEELARKYADGEVDVVVLEDPLPGGKGHDSTEEPPLFSSHKPRGDFPSPIHVSGPRLVQPHGPRFRLEGN
AVLYGGWSFAFRLRSSSGLQVLNVHFGGERIAYEVSVQEAVALYGGHTPAGMQTKYLDVGWGLGSVTHELAP
GIDCPETATFLDTFHYYDADDPVHYPRALCLFEMPTGVPLRRHFNSNFKGGFNFYAGLKGQVLVLRTTSTVYNY
DYIWDFIFYPNGVMEAKMHATGYVHATFYTPEGLRHGTRLHTHLIGNIHTHLVHYRVDLDVAGTKNSFQTLQM
KLENITNPWSPRHRVVQPTLEQTQYSWERQAAFRFKRKLPKYLLFTSPQENPWGHKRSYRLQIHSMADQVLPP
GWQEEQAITWARYPLAVTKYRESELCSSSIYHQNDPWDPPVVFEQFLHNNENIENEDLVAWVTVGFLHIPHSE
DIPNTATPGNSVGFLLRPFNFFPEDPSLASRDTVIVWPRDNGPNYVQRWIPEDRDCSMPPPFSYNGTYRPVVDH
HHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

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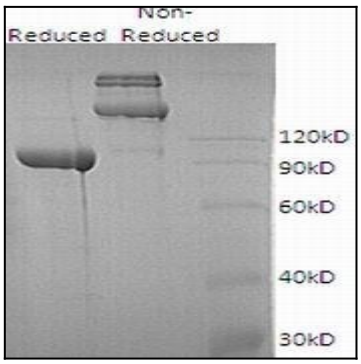

Fig 1: SDS PAGE.