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Datasheet

AOC3 (Human) Recombinant Protein (P01)

Catalog Number: H00008639-P01

Regulation Status: For research use only (RUO)

Product Description: Human AOC3 full-length ORF (AAH50549.1, 1 a.a. - 763 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MNQKTI L V L L I L A V I T I F A L V C V L L V G R G G D G G E P S Q L P
H C P S V S P S A Q P W T H P G Q S Q L F A D L S R E E L T A V M R F L T
Q R L G P G L V D A A Q A R P S D N C V F S V E L Q L P P K A A A L A H L
D R G S P P P A R E A L A I V F F G R Q P Q P N V S E L V V G P L P H P S
Y M R D V T V E R H G G P L P Y H R R P V L F Q E Y L D I D Q M I F N R E
L P Q A S G L L H H C C F Y K H R G R N L V T M T T A P R G L Q S G D R
A T W F G L Y Y N I S G A G F F L H H V G L E L L V N H K A L D P A R W T I
Q K V F Y Q G R Y Y D S L A Q L E A Q F E A G L V N V V L I P D N G T G G
S W S L K S P V P P G P A P P L Q F Y P Q G P R F S V Q G S R V A S S L
W T F S F G L G A F S G P R I F D V R F Q G E R L V Y E I S L Q E A L A I Y
G G N S P A A M T T R Y V D G G F G M G K Y T T P L T R G V D C P Y L A
T Y V D W H F L L E S Q A P K T I R D A F C V F E Q N Q G L P L R R H H S
D L Y S H Y F G G L A E T V L V V R S M S T L L N Y D Y V W D T V F H P S
G A I E I R F Y A T G Y I S S A F L F G A T G K Y G N Q V S E H T L G T V H T
H S A H F K V D L D V A G L E N W V W A E D M V F V P M A V P W S P E
H Q L Q R L Q V T R K L L E M E E Q A A F L V G S A T P R Y L Y L A S N H
S N K W G H P R G Y R I Q M L S F A G E P L P Q N S S M A R G F S W E
R Y Q L A V T Q R K E E E P S S S S V F N Q N D P W A P T V D F S D F I N
N E T I A G K D L V A W V T A G F L H I P H A E D I P N T V T V G N G V G F
F L R P Y N F F D E D P S F Y S A D S I Y F R G D Q D A G A C E V N P L A
C L P Q A A A C A P D L P A F S H G G F S H N

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 111

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 8639

Gene Symbol: AOC3

Gene Alias: HPAO, SSAO, VAP-1, VAP1

Gene Summary: Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes in the presence of copper and quinone cofactor. The product is a major protein on the adipocyte plasma membrane. It has adhesive properties and also has functional monoamine oxidase activity. A pseudogene for this gene has been described and is located approximately 9-kb downstream. [provided by RefSeq]

References:

1. Vascular adhesion protein-1 inhibition provides antiinflammatory protection after an intracerebral hemorrhagic stroke in mice. Ma Q, Manaenko A, Khatibi NH, Chen W, Zhang JH, Tang J. J Cereb Blood Flow Metab. 2010 Sep 29. [Epub ahead of print]