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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

AOC2 (Human) Recombinant Protein (P01)

Catalog Number: H00000314-P01

Regulation Status: For research use only (RUO)

Product Description: Human AOC2 full-length ORF (NP_033720.2, 1 a.a. - 756 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MHLKIVLAFLALSLITIFALAYVLLTSPGGSSQPPHCPSV
SHRAQPWPHPGQSQLFADLSREELTAVMRFLTQRLG
PGLVDAQAQPSDNCIFSVELQLPPKAAALAHLDGRS
PPPAREALAIIVLFGGQPQPNVSELVVGPLPHPSYMRD
VTVERHGGPLPYHRRPVLRAEFTQMWRHLKEVELPK
APIFLSSTFNNGSTLAAVHATPRGLRSGDRATWMAL
YHNISGVGLFLHPVGLELLLDHRAIDPAHWTVQQVFYL
GHYYADLGQLEREFKSGRLEVVRVPLPPPNGASSLRS
RNSPGPLPPLQFSPQGSQYSVQGNLVVSSLWSFTFG
HGVFSGLRIFDVRVFGGERIAYEVSQECVSIYGADSPK
TMLTRYLDSSFGLRNSRGLVRGVDCPYQATMVDIHI
LVGKGAUQLLPGAVCVFEEAQGLPLRRHHNYLQNHFY
GGLASSALVVRVSVSSVGNFYDWFVLYPNGALEGRV
HATGYINTAFLKGGEEGLLFGNRVGERVLTGVHTHAF
HFKLDLDVAGLKNWVAEDVFKPVAAPWNPEHWLQ
RPQLTRQVLGKEDLTAFSLGSPRPYLYLASNQTAW
GHQRGYRIQIHSPGLIHIPLESDMERALSWGRYQLVVT
QRKEEESQSSSIYHQNDIWTPTVTFADFINNETLLGED
LVAWVTASFLHIPHAEDIPNTVTLGNRVGFLLRPYNFF
DEDPSIFSPGSVYFEKGDAGLCSINPVAACLPDLAACV
PDLPPFSYHGF

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 110.1

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: 314

Gene Symbol: AOC2

Gene Alias: DAO2, RAO

Gene Summary: Copper amine oxidases catalyze the oxidative conversion of amines to aldehydes and ammonia in the presence of copper and quinone cofactor. This gene shows high sequence similarity to copper amine oxidases from various species ranging from bacteria to mammals. The protein contains several conserved motifs including the active site of amine oxidases and the histidine residues that likely bind copper. It may be a critical modulator of signal transmission in retina, possibly by degrading the biogenic amines dopamine, histamine, and putrescine. This gene may be a candidate gene for hereditary ocular diseases. Alternate splicing results in multiple transcript variants. [provided by RefSeq]