

Product datasheet for TP304163

ABP1 (AOC1) (NM_001091) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human amiloride binding protein 1 (amine oxidase (copper-containing)) (ABP1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204163 protein sequence Red =Cloning site Green =Tags(s)

MPALGWAVAAAILMLQTAMAEPSPGTLPRKAGVFSDSLNSQELKAVHSFLWSKKELRLQPSSTTTMAKNTV
F
LIEMLLPKKYHVLRLFLDKGERHPVREARAVIFFGDQEHPNVTEFAVGPLPGPCYMRALSPRPGYQSSWAS
RPISTAEYALLYHTLQEATKPLHQFFLNTTGFSFQDCHDRCLAFTDVAPRGVASGQRRSWLIIQRYVEGY
FLHPTGLELLVDHGSTDAGHWAVEQVWYNGKFYGSPEELARKYADGEVDVVLEDPLPGGKGGHDSTEEP
P
LFSSHKPRGDFPSPIHVSGPRLVQPHGPRFRLEGNAVLYGGWSFAFRLRSSGLQVLNVHFGGERIAYEV
SVQEAVALYGGHTPAGMQTKYLDVGVGLGSVTHELAPGIDCPETATFLDTFHYYDADDPVHYPRALCLFE
MPTGVPLRRHFNSNFKGGFNFYAGLKGQVLVLRRTTSTVYNYDIWDFIFYPNGVMEAKMHATGYVHATF
Y
TPEGLRHGTRLHTHLIGNIHTLVHYRVDLDVAGTKNSFQTLQMKLENITNPWSPRHRVWQPTLEQTQYS
WERQAARFRKRKLPKYLLFTSPQENPWGHKRSYRLQIHSMADQVLPPGWQEEQAITWARYPLAVTKYRE
S
ELCSSSIYHQNDPWDPVVFQFLHNNENIENEDLVAWVTGFLHIPHSEDIPNTATPGNSVGFLLRPFN
FFPEDPSLASRDTVIVWPRDNGPNYVQRWIPEDRDCSMPPPFYNGTYRPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

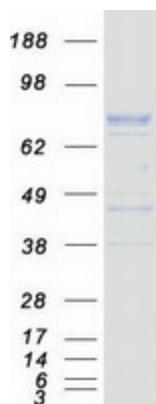
Tag:	C-Myc/DDK
Predicted MW:	83.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001082
Locus ID:	26
UniProt ID:	P19801
RefSeq Size:	2446
Cytogenetics:	7q36.1
RefSeq ORF:	2253
Synonyms:	ABP; ABP1; DAO; DAO1; KAO
Summary:	This gene encodes a metal-binding membrane glycoprotein that oxidatively deaminates putrescine, histamine, and related compounds. The encoded protein is inhibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]
Protein Families:	Secreted Protein
Protein Pathways:	Arginine and proline metabolism, Histidine metabolism, Tryptophan metabolism

Product images:



Coomassie blue staining of purified AOC1 protein (Cat# TP304163). The protein was produced from HEK293T cells transfected with AOC1 cDNA clone (Cat# [RC204163]) using MegaTran 2.0 (Cat# [TT210002]).