

## Product datasheet for PH304163

### ABP1 (AOC1) (NM\_001091) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ABP1 MS Standard C13 and N15-labeled recombinant protein (NP_001082)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204163
Predicted MW:	85.3 kDa
Protein Sequence:	>RC204163 protein sequence Red=Cloning site Green=Tags(s)
	MPALGWAVAAIILMLQTAMAEPSPGTLPRKAGVFSDLNQELKAVHSFLWSKKELRLQPSSTTTMAKNTVF LIEMLLPKKYHVLRFKLDKGERHPVREARAVIFFGDQEHNVTEFVAVGPLPGPCYMRALSPRPGYQSSWAS RPISTAEYALLYHTLQEATKPLHQFFLNTTGFSFQDCHDRCLAFTDVAPRGVAVSGQRRSWLIIQRYVEGY FLHPTGLELLVDHGSTDAGHWAVEQVWYNGKFYGSPEELARKYADGEVDVVVLEDPPLGGKGHDSTEEPP LFSSHKPRGDFPSPIHVSGPRLVQPHGPRFRLEGNAVL YGGWSFAFRLRSSSGLQVLNVHFGGERIAYEV SVQEAVALYGGHTPAGMQTKYLDVGWGLGSVTHELAPGIDCPETATFLDTFHYYDADDPVHYPRALCLFE MPTGVPLRRHFNSNFKGGFNFYAGLKGQVLVLRRTTSTVYNYDYIWFIFYPNGVMEAKMHATGYVHATFY TPEGLRHGTRLHHLIGNIHTHLVHYRVDLDVAGTKNSFQTLQMKLENI TNPWSPRRHVQPTLEQTQYS WERQAARFRKRLPKYLLFTSPQENPWGHKRSYRLQIHSMAQVLP GGWQEEQAITWARYPLAVTKYRES ELCSSSIYHQNDPDDPPVFEQFLHNNENIENEDLVAWVTVGFLHIPHSEDIPNTATPGNSVGFLLRPFN FFPEDPSLASRDTVIVWPRDNGPNYVQRWIPEDRDCSMPPPFYNGTYRPV
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001082</a>



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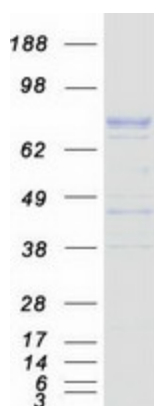
RefSeq Size:	2446
RefSeq ORF:	2253
Synonyms:	ABP; ABP1; DAO; DAO1; KAO
Locus ID:	26
UniProt ID:	<a href="#">P19801</a>
Cytogenetics:	7q36.1

**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]).