

ABP1/AOC1 Protein, Human (HEK293, His)

Cat. No.:	HY-P7497
Synonyms:	rHuAmiloride-binding protein 1, His; ABP1; Amiloride-binding protein-1
Species:	Human
Source:	HEK293
Accession:	AAH14093.1 (E20-V751)
Gene ID:	26
Molecular Weight:	Approximately 90.0 kDa

PROPERTIES

AA Sequence

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

Appearance

Solution.

Formulation

Supplied as a 0.2 µm filter solution of 20 mM Tris-HCl, 150 mM NaCl, 10% Glycerol, pH 7.5.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

N/A

Storage & Stability

Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping

Shipping with dry ice.

DESCRIPTION**Background**

Amiloride-binding protein 1 (Abp1), also called diamine oxidase, is a membrane-associated amine oxidase and mainly metabolizes histamine and putrescine. Plasma Abp1 has been proposed to be of value as an indicator of fetoplacental integrity^[1].

REFERENCES

[1]. Liang XH, et al. Estrogen regulates amiloride-binding protein 1 through CCAAT/enhancer-binding protein-beta in mouse uterus during embryo implantation and decidualization. *Endocrinology*. 2010 Oct;151(10):5007-16.

Caution: Product has not been fully validated for medical applications. For research use only.

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