

Recombinant Full Length Human ABP1 Protein, GST-tagged

Cat. No. ABP1-834HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ABP1 full-length ORF (AAH14093.1, 1 a.a. - 751 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	751 amino acids
Description	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]
Molecular Mass	111.7 kDa
AA Sequence	MPALGWAVAA ILMLQTAMAE PSPGTLPRKA GVFSDLNQE LKAVHSFLWS KKELRLQPSS TTTMAKNTVF LIEMLLPKKY HVLRFLLDKGE RHPVREARAV IFFGDQEHNP VTEFAVGPLP GPCYMRALSP RPGYQSSWAS RPISTAEYAL LYHTLQEATK PLHQFFLNTT GFSFQDCHDR CLAFTDVAPR GVASGQRRSW LIIQRYVEGY FLHPTGLELL VDHGSTDAGH WAVEQVWYNG KFYGSPEELA RKYADGEVDV VVLEDPLPGG KGHDESTEEP LFSSHKPRGD FPSPIHVS GP RLVQPHGPRF RLEGNAVLYG GWSFAFRLRS SSSLQVLNVH FGGERIAYEV SVQEAVALYG GHTPAGMQTK YLDVGWGLGS VTHELAPGID CPETATFLDT

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FHYDADDPV HYPRALCLFE MPTGVPLRRH FNSNFKGGFN FYAGLKGQVL
 VLRTTSTVYN YDIWDFIFY PNGVMEAKMH ATGYVHATFY TPEGLRHGTR
 LHTHLIGNIH THLVHYRVDL DVAGTKNSFQ TLQMKLENIT NPWSPRHRVV
 QPTLEQTQYS WERQAAFRFK RKLPKYLLFT SPQENPWGHK RSYRLQIHSM
 ADQVLPPGWQ EEQAITWARY PLAVTKYRES ELCSSSIYHQ NDPWDPPVVF
 EQFLHNNENI ENEDLVAWVT VGFLHIPHSE DIPNTATPGN SVGFLLRPFN
 FFPEDPSLAS RDTVIVWPRD NGPNYVQRWI PEDRDSCMPP PFSYNGTYRP V

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

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

GENE INFORMATION

Gene Name

ABP1 amiloride binding protein 1 (amine oxidase (copper-containing)) [Homo sapiens]

Official Symbol

ABP1

Synonyms

ABP1; amiloride binding protein 1 (amine oxidase (copper-containing)); amiloride-sensitive amine oxidase [copper-containing]; AOC1; DAO; histaminase; diamine oxidase; kidney amine oxidase; amiloride-binding protein-1; amiloride-sensitive amine oxidase; ABP; KAO; DAO1

Gene ID

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mRNA Refseq	NM_001091
Protein Refseq	NP_001082
MIM	104610
UniProt ID	P19801

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