

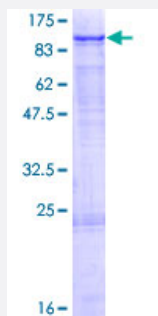
Full-Length

ABP1 (Human) Recombinant Protein (P02)

Catalog # H00000026-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ABP1 full-length ORF (AAH14093.1, 1 a.a. - 751 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPALGWAVAAILMLQTAMAEPSPGTLPRKAGVFSDLSNQELKAVHSFLWSKKELRLQPSSTTTM
AKNTVFLIEMLLPKKYHVLRLDKGERHPVREARAVIFFGDQEHNVTEFAVGPLPGPCYMRALS
PRPGYQSSWASRPISTAHEYALLYHTLQEATKPLHQFFLNTTGFSFQDCHDRCLAFTDVAPRGVAS
GQRRSWLIQRYVEGYFLHPTGLELLVDHGSTDAGHWAVEQVWYNGKFYGSPEELARKYADGEV
DVVVLEDPLPGGKGHDSTEEPPLFSSHKPRGDFPSPHVS GPRLVQPHGPRFRLEGNAVLYGG
WSFAFRLRSSSGLQVLNVHFGGERIAYEVSQEAVALYGGHTPAGMQTKYLDVGWGLGSVTHEL
APGIDCPETATFLDTFHYYDADDPVHYPRALCLFEMPTGVPLRRHFNSNFKGGFNFYAGLKGQVL
VLRTTSTVYNYDYWDFIFYPNGVMEAKMHATGYVHATFYTPEGLRHGTRLHHTLIGNIHTLVHYRV
DLDVAGTKNSFQTLQMKLENITNPWSPRHRVVQPTLEQTQYSWERQAAFRFKRKLPKYLLFTSP
QENPWGCHKRSYRLQIHSMADQVLPPGWQEEQAITWARYPLAVTKYRESELCSSSIYHQNDPWDP
PVVFEQFLHNNENIENEDLVAVWTVGFLHIPHSEDIPNTATPGNSVGFLLRPFNFPPEDPSLASRD
TVVWPRDNGPNYVQRWIPEDRDCSMPPPF SYNGTYRPV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

111.7

Interspecies Antigen Sequence

Mouse (80); Rat (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ABP1

Entrez GeneID	26
GeneBank Accession#	BC014093.2
Protein Accession#	AAH14093.1
Gene Name	ABP1
Gene Alias	ABP, AOC1, DAO, DAO1, KAO
Gene Description	amiloride binding protein 1 (amine oxidase (copper-containing))
Omim ID	104610
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a membrane glycoprotein that is expressed in many epithelium-rich and/or hematopoietic tissues and oxidatively deaminates putrescine and histamine. The protein may play a role in controlling the level of histamine and/or putrescine in these tissues. It also binds to and is inhibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels. [provided by RefSeq]

Other Designations

amiloride binding protein 1|amiloride-binding protein|amiloride-binding protein-1|amiloride-sensitive amine oxidase|diamine oxidase|histaminase|kidney amine oxidase

Pathway

- [Arginine and proline metabolism](#)
- [Histidine metabolism](#)
- [Tryptophan metabolism](#)

Disease

- [Asthma](#)
- [Colitis](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Parkinson disease](#)
- [Rhinitis](#)