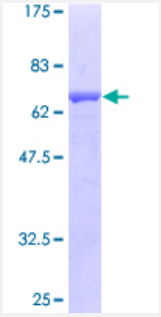
Full-Length Sm Size

ABP1 (Human) Recombinant Protein (P01)

Catalog # H00000026-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ABP1 full-length ORF (AAH14093, 1 a.a. - 751 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPALGWAVAATLMLQTAMAEPSPGTLPRKAGVFSDLSNQELKAVHSFLWSKKELRLQPSSTTT MAKNTVFLIEMLLPKKYHVLRFLDKGERHPVREARAVIFFGDQEHPNVTEFAVGPLPGPCYMRAL SPRPGYQSSWASRPISTAEYALLYHTLQEATKPPHQFFLNTTGFSFQDCHDRCLAFTDVAPRGVA SGQRRSWLIIQRYVEGYFLHPTGLELLVDHGSTDAGHWAVEQVWYNGKFYGSPEELARKYADGE VDVVVLEDPLPGGKGHDSTEEPPLFSSHKPRGDFPSPIHVSGPRLVQPHGPRFRLEGNAVLYGG WSFAFRLRSSSGLQVLNVHFGGERIAYEVSVQEAVALYGGHTPAGMQTKYLDVGWGLGSVTHEL APGIDCPETATFLDTFHYYDADDPVHYPRALCLFEMPTGVPLRRHFNSNFKGGFNFYAGLKGQVL VLRTTSTVYNYDYIWDFIFYPNGVMEAKMHATGYVHATFYTPEGLRHGTRLHTHLIGNIHTHLVHYRV DLDVAGTKNSFQTLQMKLENITNPWSPRHRVVQPTLEQTQYSWERQAAFRFKRKLPKYLLFTSP QENPWGHKRSYRLQIHSMADQVLPPGWQEEQAITWARYPLAVTKYRESELCSSSIYHQNDPWDP PVVFEQFLHNNENIENEDLVAWVTVGFLHIPHSEDIPNTATPGNSVGFLLRPFNFFPEDPSLASRD TVIVWPRDNGPNYVQRWIPEDRDCSMPPPFSYNGTYRPV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	108.35
Interspecies Antigen Sequence	Mouse (80); Rat (81)
Preparation Method	*in vitro* wheat germ expression system

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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
Protein Accession#	AAH14093
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 he matopoietic 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 in hibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels. [provided by R efSeq

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.