

Recombinant Human ABP1, His-tagged

Cat. No. ABP1-3409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Amiloride-sensitive amine oxidase [copper-containing] (ABP1)
Species	Human
Source	E.Coli/Yeast
ProteinLength	751
Description	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.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of ABP1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

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Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
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	26
mRNA Refseq	NM_001091
Protein Refseq	NP_001082
MIM	104610
UniProt ID	P19801
Chromosome Location	7q34-qter
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline

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metabolism, conserved biosystem; Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem; Tryptophan metabolism, organism-specific bios

Function

calcium ion binding; cation channel activity; copper ion binding; diamine oxidase activity; drug binding; heparin binding; histamine oxidase activity; methylputrescine oxidase activity; oxidoreductase activity; primary amine oxidase activity; propane-1,3-diamine oxidase activity; protein complex binding; protein homodimerization activity; quinone binding; receptor activity; sodium channel activity; zinc ion binding;

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