

Recombinant Human ABP1, GST-tagged

Cat. No. ABP1-9255H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ABP1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	400-751a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	ABP1 amiloride binding protein 1 (amine oxidase (copper-containing)) [Homo sapiens]
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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 metabolism, conserved biosystem; Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem; Tryptophan metabolism, organism-specific biosystem; Tryptophan metabolism, organism-specific biosystem; Tryptophan metabolism, conserved biosystem;
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-