Recombinant Human AZIN1, GST-tagged

Cat. No. AZIN1-10090H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AZIN1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-300a.a.
Description	Ornithine decarboxylase (ODC) catalyzes the conversion of ornithine to putrescine in the first and apparently rate-limiting step in polyamine biosynthesis. Ornithine decarboxylase antizymes play a role in the regulation of polyamine synthesis by binding to and inhibiting ornithine decarboxylase. The protein encoded by this gene is highly similar to ODC. It binds to ODC antizyme and stabilizes ODC, thus inhibiting antizyme-mediated ODC degradation. Two alternatively spliced transcript variants have been found for this gene.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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Gene Name	AZIN1 antizyme inhibitor 1 [Homo sapiens]
Official Symbol	AZIN1
Synonyms	AZIN1; antizyme inhibitor 1; OAZIN, ornithine decarboxylase antizyme inhibitor; OAZI; ODC1L; ornithine decarboxylase 1 like; AZI; ornithine decarboxylase antizyme inhibitor; OAZIN; MGC691; MGC3832;
Gene ID	51582
mRNA Refseq	NM_015878
Protein Refseq	NP_056962
MIM	607909
UniProt ID	O14977
Chromosome Location	8p22-q21.3
Pathway	Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Regulation of ornithine decarboxylase (ODC), organism-specific biosystem;
Function	enzyme inhibitor activity; ornithine decarboxylase activator activity; ornithine decarboxylase inhibitor activity;

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