

Recombinant Human AZIN1, His-tagged

Cat. No. AZIN1-3521H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Antizyme inhibitor 1 (AZIN1)
Species	Human
Source	E.Coli/Yeast
ProteinLength	448
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.
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 AZIN1 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.

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Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
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	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,

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organism-specific biosystem; Regulation of ornithine decarboxylase (ODC), organism-specific

Function

enzyme inhibitor activity; ornithine decarboxylase activator activity; ornithine decarboxylase inhibitor activity;

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