

Recombinant Human AZIN1 Protein (Ile5-Lys290), His tagged

Cat. No. AZIN1-0708H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human AZIN1 (Ile5-Lys290) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile5-Lys290
Description	Antizyme inhibitor (AZI) protein that positively regulates ornithine decarboxylase (ODC) activity and polyamine uptake. AZI is an enzymatically inactive ODC homolog that counteracts the negative effect of ODC antizymes (AZs) OAZ1, OAZ2 and OAZ3 on ODC activity by competing with ODC for antizyme-binding. Inhibits antizyme-dependent ODC degradation and releases ODC monomers from their inactive complex with antizymes, leading to formation of the catalytically active ODC homodimer and restoring polyamine production.
Form	Lyophilized powder/frozen liquid
Molecular Mass	30.26 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles.

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	Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	AZIN1 antizyme inhibitor 1 [Homo sapiens (human)]
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

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