



# Recombinant Human Antizyme inhibitor 1 (AZIN1)

<b>Product Code</b>	CSB-EP002484HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O14977
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MKGFIDDANY SVGLLDEGTN LGNVIDNYVY EHTLTGKNAF FVGDLGKIVK KHSQWQNVVA QIKPFYTVKC NSAPAVLEIL AALGTGFACS SKNEMALVQE LGVPPENIIY ISPCQVSI KYAAKGVNI LTCDNEIELK KIARNHPNAK VLLHIATEDN IGGEEGNMKF GTTLKNCRHL LECAKELDVQ IIGVKFHVSS ACKESQVYVH ALSDARCVFD MAGEIGFTMN MLDIGGGFTG TEFQLEEVNH VISPLLDIYF PEGSGVKIIS EPGSYVSSA FTLAVNIIAK KVVENDKFPS GVEKTGSDEP AFMYYMNDGV YGSFASKLSE DLNTIPEVHK KYKEDEPLFT SSLWGPSCDE LDQIVESCLL PELNVGDWLI FDNMGADSFH EPSAFNDFQR PAIYYMMSFS DWYEMQDAGI TSDSMMKNFF FVPSCIQLSQ EDSFSAEA
<b>Source</b>	E.coli
<b>Target Names</b>	AZIN1
<b>Protein Names</b>	Recommended name: Antizyme inhibitor 1 Short name= AZI Alternative name(s): Ornithine decarboxylase antizyme inhibitor
<b>Expression Region</b>	1-448
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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. This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.