Recombinant Rat Antizyme inhibitor 1 (Azin1)

Product Code	CSB-EP002484RA-B
Abbreviation	Azin1
Storage	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.
Uniprot No.	Q63764
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MKGFIDDANY SVGLLDEGTN LGNVIDNYVY EHTLTGKNAF FVGDLGKIVK KHSQWQNVVA QIKPFYMVKC NSTPAVLEIL AALGTGFACS TKNEMALVQE LGVSPENIIY TSPCKQASQI KYAAKVGVNI MTCDNEVELK KIARNHPNAK VLLHIATEDN IGGEDGNMKF GTTLKNCRHL LECAKELDVQ IIGVKFHISS ACKEYQVYVH ALSDARCVFD MAGEFGFTMN MLDIGGGFTG TEIQLEEVNH VISPLLDIYF PEGSGIQIIS EPGSYYVSSA FTLAVNIIAK KVVENDKLSS GVEKNGSDEP AFVYYMNDGV YGSFASKLSE DLNTVPEVHK KYKEDEPLFT SSLWGPSCDE LDQIVESCLL PELSVGDWLI FDNMGADSLH GPSAFSDTQR PAIYFMMSLS DWYEMQDAGI TSDAMMKNFF FAPSCIQLSQ EDNFSTEA
Source	E.coli
Target Names	Azin1
Protein Names	Recommended name: Antizyme inhibitor 1 Short name= AZI Alternative name(s): Ornithine decarboxylase antizyme inhibitor
Expression Region	1-448
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	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.
Shelf Life	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.