

OAZ1 recombinant protein

OAZ1, 1-228aa, Human, His tag, E Coli

CATALOG # AAA48734	HOST E Coli	APPLICATIONS SDS-Page
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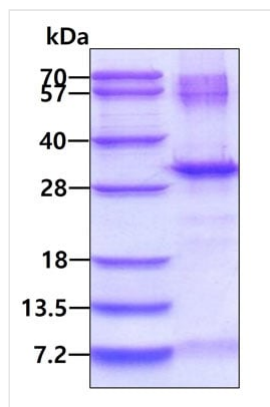
PRODUCT SYNONYMS

OAZ1; 1-228aa; Human; His tag; E Coli; Ornithine decarboxylase antizyme 1; AZI; OAZ; OAZ1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSSLVPRGSH MGSMVKSSLQ RILNSHCFAR EKEGDKPSAT IHASRTMPLL SLHSRGSSS ESSRVSLHCC SNPGPGPRWC SDAPHPPLKI PGGRGNSQRD HNLSANLFYS DDRLNVTEEL TSNDKTRILN VQSRLTDAKR INWRTVLGG SLYIEIPGGA LPEGSKDSFA VLLEFAEEQL RADHVFCFH KNREDRAALL RTFSFLGFEI VRPGHPLVPK RPDACFMAYT FERESSGEEE E
Sequence Length	228
Applicable Applications for OAZ1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Domain	1-228aa
Preparation and Storage	Can be stored at 2°C to 8°C for one week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for OAZ1 recombinant protein	Ornithine decarboxylase antizyme 1, also known as OAZ1, belongs to the ODC antizyme family. It expression is auto-regulated by polyamine-enhanced translational frameshifting. OAZ1 negatively regulates polyamine synthesis by enhancing the negative feedback loop controlling ornithine decarboxylase (ODC) activity. The OAZ1 encoded by this gene inhibits ornithine decarboxylase and accelerates its degradation. Recombinant human OAZ1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for OAZ1 recombinant protein	Metabolism
References	Zhang M., et al. (2003) EMBO J. 22: 1488-1496; Aoto H., et al. (1997) Genomics. 40: 138-141.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9845505
NCBI GeneID	4946
NCBI Accession #	NP_004143
NCBI GenBank Nucleotide #	NM_004152.3
UniProt Accession #	P54368; O43382; Q14989; Q92595; Q9UPL9
Molecular Weight	27.8kDa (251aa) confirmed by MALDI-TOF
NCBI Official Full Name	ornithine decarboxylase antizyme 1 isoform 1
NCBI Official Synonym Full Names	ornithine decarboxylase antizyme 1
NCBI Official Symbol	OAZ1
NCBI Official Synonym Symbols	AZ1; AZI; OAZ
NCBI Protein Information	ornithine decarboxylase antizyme 1
UniProt Protein Name	Ornithine decarboxylase antizyme 1
UniProt Gene Name	OAZ1
UniProt Synonym Gene Names	OAZ; AZ1; ODC-Az

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.