# NKMAXBIO We support you, we believe in your research

# Recombinant human OAZ1 protein

Catalog Number: ATGP1694

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

1-228aa

#### **UniProt No.**

P54368

#### **NCBI Accession No.**

NP 004143.1

#### **Alternative Names**

Ornithine decarboxylase antizyme 1, AZI, OAZ

### **PRODUCT SPECIFICATION**

### **Molecular Weight**

27.8 kDa (251aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol,1mM DTT

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

### **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

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.



# NKMAXBio We support you, we believe in your research

# **Recombinant human OAZ1 protein**

Catalog Number: ATGP1694

# **Amino acid Sequence**

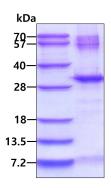
<MGSSHHHHHH SSGLVPRGSH MGS>MVKSSLQ RILNSHCFAR EKEGDKPSAT IHASRTMPLL SLHSRGGSSS ESSRVSLHCC SNPGPGPRWC SDAPHPPLKI PGGRGNSQRD HNLSANLFYS DDRLNVTEEL TSNDKTRILN VQSRLTDAKR INWRTVLSGG SLYIEIPGGA LPEGSKDSFA VLLEFAEEQL RADHVFICFH KNREDRAALL RTFSFLGFEI VRPGHPLVPK RPDACFMAYT FERESSGEEE E

#### **General References**

Zhang M., et al. (2003) EMBO J. 22: 1488-1496 Aoto H., et al. (1997) Genomics. 40: 138-141.

# **DATA**

# **SDS-PAGE**



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

