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.

Recombinant human OAZ1 protein

Catalog Number: ATGP1694

Amino acid Sequence

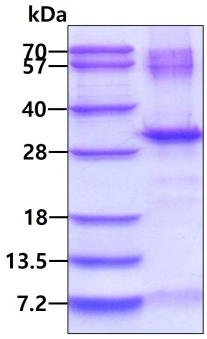
<MGSSHHHHHH SSGLVPRGSH MGS>MVKSSLQ RILNSHCFAR EKEGDKPSAT IHASRTMPLL SLHSRGGSSS ESSRVSLHCC SNPGPGPRWC SDAPHPPLKI PGGRGNSQRD HNLSANLFYS DDRLNVTEEL TSNDKTRILN VQSRLTDAKR INWRTVLSGG SLYIEIPGGA LPEGSKDSFA VLLEFAEEQL RADHVFICFH KNREDRAALL RTFSFLGFEI VRPGHPLVPK RPDACFMAYT FERESSGEEE E

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.