

Recombinant human ODC1 protein

Catalog Number: ATGP1253

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-461aa

UniProt No.

P11926

NCBI Accession No.

NP_002530

Alternative Names

Ornithine decarboxylase, ODC

PRODUCT SPECIFICATION

Molecular Weight

53.5 kDa (484aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity

> 90% 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, also known as ODC1, is the initial and rate-limiting enzyme in the biosynthetic pathway of polyamines and is involved in the conversion of ornithine to putrescine. ODC1 plays an important role in diverse biological processes, including cell growth, differentiation, transformation and apoptosis. Overexpression of the ODC1 gene plays important roles in cell proliferation and the development of cancer. Recombinant human ODC1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Recombinant human ODC1 protein

Catalog Number: ATGP1253

Amino acid Sequence

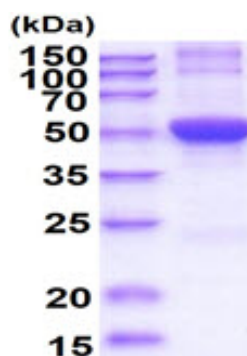
<MGSSHHHHHH SGLVPRGSH MGS>MNNFGNE EFDCHFLDEG FTAKDILDQK INEVSSDDK DAFYVADLGD
ILKKHLRWLK ALPRVTPFYA VKCNDSKAIK KTLAATGTGF DCASKTEIQL VQSLGVPPER IYANPCKQV SGIKYAANNG
VQMMTFDSEV ELMKVARAHP KAKLVLRAT DDSKAVCRSL VKFGATLRSL RLLERAKEL NIDVVGVSFH VSGGCTDPET
FVQAISDARC VFDMGAEVGF SMYLLDIGGG FPGSEVVKLK FEEITGVINP ALDKYFSPDS GVRIIAEPGR YYVASAFTLA
VNIIAKKIVL KEQTGSDDDE ESSEQTFMYV VNDGVYGSFN CILYDHAHVK PLLQKRPKPD EKYSSSIWG PTCGLDRIV
ERCDLPEMHV GDWMLFENMG AYTVAASSTF NGFQRPTIYY VMSGPAWQLM QQFQNPDPFP EEEQDASTL
PVSCAWESGM KRHRAACASA SINV

General References

Moshier J A., et al. (1992) Genomics. 1:77-86.
Yang Feng T L., et al. (1996) Genomics. 36:449-458.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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