

ODC1, 1-461aa, Human, His tag, E.coli

Cat.NO.: TP03246

3th Edition

Synonyms:Ornithine decarboxylase, ODC.

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.

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

Molecular Weight:53.5 kDa (484aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMNFGNEEFDCHFLDEGFTAkdILDQKINEVSSSDDKDAFYVADLGDILKKH
LRWLKALPRVTPFYAVKCNDSKAIVKTLAATGTGFDCASKTEIQLVQSLGVPPERIIYANPCKQVSQIKYAANNGVQ
MMTFDSEVELMKVARAHPKAKLVLRATDDSKAVCRLSVKFGATLRTRSLLLLERAKELNIDVVGVSFHVGSFGCTDPE
TFVQAISDARCVFDMGAEVGFSMYLLDIGGGFPGSEdVKLKFEETGVINPALDKYFSDSGVRIIAEPGRYYVASAF
TLAVNIIAKKIVLKEQTGSdDEDESSEQTFMYVNDGVYGSFNCILYDHAHVKPLLQKRPKPDEKYYSSSIWGPTCD
GLDRIVERCDLPEMHVGDWMLFENMGAYTVAAASTFNGFQRPTIYYMSGPAWQLMQQFQNPDPPEVEEQDAS
TLPVSCAWESGMKRHRAACASASINV

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.