

ODC1 recombinant protein

ODC1, 1-461aa, Human, His tag, E Coli

CATALOG # AAA48779	HOST E Coli	APPLICATIONS SDS-Page
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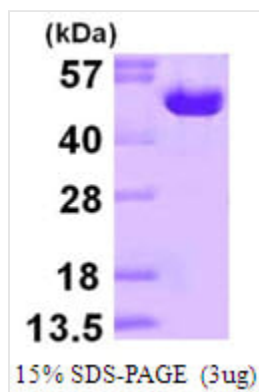
PRODUCT SYNONYMS

ODC1; 1-461aa; Human; His tag; E Coli; Ornithine decarboxylase; ODC; ODC1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMNFGNE EFDCHFLDEG FTAKDILDQK INEVSSSDDK DAFYVADLGD ILKKHLRWLK ALPRVTPFYA VKCNDSKAIV KTLAATGTGF DCASKTEIQL VQSLGVPPER IYANPCKQV SQIKYAANNG VQMMTFDSEV ELMKVARAHP KAKLVLRIAT DDSKAVCRLS VKFGATLRTS RLLLERAKEL NIDVVGVSFH VSGGCTDPET FVQAISDARC VFDMGAEVGF SMYLLDIGGG FPGSEDEVKLK FEEITGVINP ALDKYFPSDS GVRIIAEPGR YYVASAFTLA VNIIAKKIVL KEQTGSDDDED ESSEQTFMY YVNDGVYGSFN CILYDHAHVK PLLQKRPKPD EKYYSIIWG PTCGLDRIV ERCDLPEMHV GDWMLFENMG AYTVA AASTF NGFQRPTIYY VMSPAWQLM QQFQNPDFPP EVEEQDASTL PVSCAWESGM KRHRAACASA SIN V
Sequence Length	461
Applicable Applications for ODC1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ODC1 recombinant protein	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.
Product Categories/Family for ODC1 recombinant protein	Metabolism
References	Moshier J A., et al. (1992) Genomics. 1:77-86.; Yang Feng T L., et al. (1996) Genomics. 36:449-458.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505489
NCBI GeneID	4953
NCBI Accession #	NP_002530
NCBI GenBank Nucleotide #	NM_002539.2
UniProt Accession #	P11926; Q53TU3; Q6LDS9
Molecular Weight	53.5 kDa (484aa)
NCBI Official Full Name	ornithine decarboxylase isoform 1
NCBI Official Synonym Full Names	ornithine decarboxylase 1
NCBI Official Symbol	ODC1
NCBI Official Synonym Symbols	ODC
NCBI Protein Information	ornithine decarboxylase
UniProt Protein Name	Ornithine decarboxylase
UniProt Gene Name	ODC1
UniProt Synonym Gene Names	ODC

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.

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Online datasheet: <https://stage.aaabiotech.com/odc1-recombinant-protein-e-coli-sds-page/48779>