

32-2631: ODC1 Recombinant Protein

Alternative Name : ODC, Ornithine decarboxylase 1, EC 4.1.1.17.

Description

Source : E.coli. ODC1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 484 amino acids (1-461) and having a molecular mass of 53.5 kDa. ODC1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Ornithine decarboxylase is the preliminary and rate-limiting enzyme in the biosynthetic pathway of polyamines and it takes part in the alteration of ornithine to putrescine. ODC1 is a key member of various biological processes, such as cell growth, transformation, differentiation and apoptosis. Overexpression of the ODC1 gene has a vital part in cell proliferation and the progress of cancer.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The ODC1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHH SGLVPRGSH MGSMNFGNE EFDCHFLDEG FTAKDILDQK INEVSSDDK DAFYVADLGD ILKKHLRWLK ALPRVTPFYA VKCNSKAIV KTLAATGTGF DCASKTEIQL VQSLGVPPER IYANPCKQV SIKYANNG VQMMTFDSEV ELMKVARAHP KAKLVLRIAT DDSKAVCRSL VKFGATLRIS RLLERAKEL NIDVVGVSFH VSGGCTDPET FVQAISDARC VFDMGAEVGF SMYLLDIGGG FPGSEVCLK FEEITGVINP ALDKYFPSDS GVRHAEPR YYVASAFTLA VNIHAKKIVL KEQTGSDDDED ESSEQTFMYV VNDGVYGSFN CILYDHAHVK PLLQKRPKPD EKYYSSSIWG PTCDGLDRIV ERCDLPEMHV GDWMLFENMG AYTVAASTF NGFQRPTIYV VMSGPAWQLM QFQNPDPFP EVEEQDASTL PVSCAWESGM KRHRAACASA SINV

