

Ornithine Decarboxylase 1 Human Recombinant

Item Number	rAP-0965
Synonyms	ODC, Ornithine decarboxylase 1, EC 4.1.1.17.
Description	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.
Uniprot Accession Number	P11926
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMNFGNE EFDCHFLDEG FTAKDILDQK INEVSSDDK DA-FYVADLGD ILKKHLRWLK ALPRVTPFYA VKCNDSKAIV KTLAATGTGF DCASKTEIQL VQSLGVPPER IYANPCKQV SQUIYAANNG VQMMTFDSEV ELMKVARAHP KAKLVLRAT DDSKAVCRSL VKF-GATLRIS RLLERAKEL NIDVVGVSFH VSGCTDPET FVQAISDARC VFDMGAEVGF SMYLLDIGGG FPGSEVCLK FEEITGVINP ALDKYFPSDS GVRIIAEPGR YYVASAFTLA VNIIAKKIVL KEQTGSDDDD
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The ODC1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**