

Recombinant Full Length Human ODC1 Protein

Cat. No. ODC1-351HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Ornithine Decarboxylase with N terminal proprietary tag, 76.82kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	461 amino acids
Description	This gene encodes the rate-limiting enzyme of the polyamine biosynthesis pathway which catalyzes ornithine to putrescine. The activity level for the enzyme varies in response to growth-promoting stimuli and exhibits a high turnover rate in comparison to other mammalian proteins. Originally localized to both chromosomes 2 and 7, the gene encoding this enzyme has been determined to be located on 2p25, with a pseudogene located on 7q31-qter.
Form	Liquid
Molecular Mass	76.820kDa inclusive of tags
AA Sequence	MNCFGNEEFDCFLDEGFTAKDILDQKINEVSSDDKDAF YVADLGDLKKHLRWLK ALPRVTPFYAVKCNDSKAIVKTL AATGAGFDCASKTEIQLVQSLGVPPERIIYANPCK QVSQI KYAANNGVQMMTFDSEVELMKVARAHPKAKLVLRATDDS KAVCRLSVKF GATLRTSRLLLLERAKELNIDVVGVSFHVGS GCTDPETFVQAISDARCVFDMGAEVG FSMYLLDIGGGFPG SEDVKLKFEETGVINPALDKYFSPDSGVRRIAEPGRYYV ASAF

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TLAVNIIAKKIVLKEQTGSDDDESESEQTFMYYVND GVGGSFNCILYDHAHVKPLLQK
 RPKPDEKYYSSSIWGPTC DGLDRIVERCDLPEMHVGDWMLFENMGAYTVAAASTF
 NGF QRPTIYYVMSGPAWQLMQQFQNPDPPEVEEQDASTLPVS CAWESGMKRH
 RAACASASINV

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [ODC1 ornithine decarboxylase 1 \[Homo sapiens \]](#)

Official Symbol [ODC1](#)

Synonyms ODC1; ornithine decarboxylase 1; ornithine decarboxylase; ODC

Gene ID [4953](#)

mRNA Refseq [NM_002539](#)

Protein Refseq [NP_002530](#)

MIM [165640](#)

UniProt ID [P11926](#)

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