



# Recombinant Human Ornithine decarboxylase (ODC1)

<b>Product Code</b>	CSB-MP016269HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P11926
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNCFGNEEFD CHFLDEGFTA KDILDQKINE VSSSDDKDAF YVADLGDILK KHLRWLALP RVTPFYAVKC NDSKAIVKTL AATGTGFDC A SKTEIQLVQS LGVPPERIIY ANPCKQVSQI KYAANNQVQM MTFDSEVELM KVARAHPKAK LVLRIATDDS KAVCRLSVKF GATLRTRSLL LERAKELNID VVGVSFHVGS GCTDPETFVQ AISDARCVFD MGAEVGFSMY LLDIGGGFPG SEDVKLKFEF ITGVINPALD KYFPSDSGVR IIAEPGRYYV ASFTLAVNI IAKKIVLKEQ TGSDDEDESS EQTFMYVND GVGYSFNIL YDHAHVKPLL QKRPKPDEKY YSSSIWGPTC DGLDRIVERC DLPEMHVGDW MLFENMGAYT VAAASTFNGF QRPTIYYVMS GPAWQLMQQF QNPDPPEVE EQDASTLPVS CAWESGMKRH RAACASASIN V
<b>Source</b>	Mammalian cell
<b>Target Names</b>	ODC1
<b>Protein Names</b>	Recommended name: Ornithine decarboxylase Short name= ODC EC= 4.1.1.17
<b>Expression Region</b>	1-461
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.