Recombinant Human Ornithine decarboxylase (ODC1)

Product Code	CSB-EP016269HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P11926
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MNNFGNEEFD CHFLDEGFTA KDILDQKINE VSSSDDKDAF YVADLGDILK KHLRWLKALP RVTPFYAVKC NDSKAIVKTL AATGTGFDCA SKTEIQLVQS LGVPPERIIY ANPCKQVSQI KYAANNGVQM MTFDSEVELM KVARAHPKAK LVLRIATDDS KAVCRLSVKF GATLRTSRLL LERAKELNID VVGVSFHVGS GCTDPETFVQ AISDARCVFD MGAEVGFSMY LLDIGGGFPG SEDVKLKFEE ITGVINPALD KYFPSDSGVR IIAEPGRYYV ASAFTLAVNI IAKKIVLKEQ TGSDDEDESS EQTFMYYVND GVYGSFNCIL YDHAHVKPLL QKRPKPDEKY YSSSIWGPTC DGLDRIVERC DLPEMHVGDW MLFENMGAYT VAAASTFNGF QRPTIYYVMS GPAWQLMQQF QNPDFPPEVE EQDASTLPVS CAWESGMKRH RAACASASIN V
Source	E.coli
Target Names	ODC1
Protein Names	Recommended name: Ornithine decarboxylase Short name= ODC EC= 4.1.1.17
Expression Region	1-461
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.
Shelf Life	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.