# Recombinant Human Ornithine decarboxylase antizyme 3 (OAZ3)

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| **Product Code** | CSB-MP016247HU |
| **Abbreviation** | OAZ3 |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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. |
| **Uniprot No.** | Q9UMX2 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | >85% (SDS-PAGE) |
| **Sequence** | MLPRCYKSIT YKEEEDLTLQ PRSCLQCSES LVGLQEGKST EQGNHDQLKE LYSAGNLTVL ATDPLLHQDP VQLDFHFRLT SQTSAHWHGL LCDRRLFLDI PYQALDQGNR ESLTATLEYV EEKTNVDSVF VNFQNDRNDR GALLRAFSYM GFEVVRPDHP ALPPLDNVIF MVYPLERDVG HLPSEPP |
| **Source** | Mammalian cell |
| **Target Names** | OAZ3 |
| **Protein Names** | Recommended name: Ornithine decarboxylase antizyme 3 Short name= AZ3 Short name= ODC-Az 3 |
| **Expression Region** | 1-187 |
| **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** | Ornithine decarboxylase catalyzes the conversion of ornithine to putrescine in the first and apparently rate-limiting step in polyamine biosynthesis. The ornithine decarboxylase antizymes play a role in the regulation of polyamine synthesis by binding to and inhibiting ornithine decarboxylase. Antizyme expression is auto-regulated by polyamine-enhanced translational frameshifting. In contrast to antizymes 1 and 2, which are widely expressed throughout the body, the expression of this gene product (antizyme 3) is restricted to testis germ cells, and thus it is a possible candidate for heritable forms of human male infertility. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| **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 |

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| | concentration of glycerol is 50%. Customers could use it as reference. |
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