

## 32-8274: Recombinant Human Ornithine Decarboxylase/ODC1 (C-6His, N-T7 tag)

**Gene :** ODC1  
**Gene ID :** 4953  
**Uniprot ID :** P11926

### Description

Source: E. coli.  
MW :53.5kD.

Recombinant Human Ornithine decarboxylase is produced by our E.coli expression system and the target gene encoding Met1-Val461 is expressed with a T7 tag at the N-terminus, 6His tag at the C-terminus. Ornithine decarboxylase (ODC1) is an enzyme which belongs to the Orn/Lys/Arg decarboxylase class-II family. ODC1 is 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MASMTGGQQMGRGSMNFGNEEFDCHFLDEGFTAKDILDQKINEVSSSDDKDAFYVADLGDILKKHLRWLKA  
LPRVTPFYAVKCND SKAIVKTLAATGTGFDCASKTEIQLVQSLGVPPERIIYANPCKQVSQIKYAANNGVQMMTF  
DSEVELMKVARAHPKAKLVLRIATDDSKAVCRLSVKFGATLRTRSRLLLERAKELNIDVVGVSFHVGS GCTDPETF  
VQAISDARCVFDMGAEVGFMSYLLDIGGGFPGSEDEVKLFEEITGVINPALDKYFPSDSGVRIIAEPGRYYVASAF  
TLAVNIIAKKIVLKEQTGSDDDESESEQTFMYVYVNDGVYGSFNCILYDHAHVKPLLQKRPKPDEKYYSSSIWGPT  
CDGLDRIVERCDLPEMHVGDWMLFENMGAYTVAAASTFNGFQRPTIYYVMSPAWQLMQQFQNPDPFPEVE  
EQDASTLPVSCAWESGMKRHRAACASASINVLEHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.