

Recombinant Human ODC1, MYC/DDK-tagged

Cat. No. ODC1-2500H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ODC1 fused with MYC/DDK tag at C-terminal, was expressed in HEK293 Cells.
Species	Human
Source	HEK293
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.
Molecular Mass	51 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Storage buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Concentration	>50 ug/mL as determined by microplate BCA method
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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Storage	Store at -800C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
OfficialSymbol	ODC1
GENE INFORMATION	
Gene Name	ODC1 ornithine decarboxylase 1 [Homo sapiens]
Synonyms	ODC1; ornithine decarboxylase 1; ornithine decarboxylase; ODC; EC 4.1.1.17
Gene ID	4953
mRNA Refseq	NM_002539
Protein Refseq	NP_002530
MIM	165640
UniProt ID	P11926
Chromosome Location	2p25
Pathway	Arginine and proline metabolism; Glutathione metabolism; Metabolism; Metabolism of amino acids and derivatives
Function	ornithine decarboxylase activity

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PDB rendering
based on 1d7k.



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