

Recombinant Mouse Odc1 Protein, Myc/DDK-tagged

Cat. No. Odc1-4572M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ornithine decarboxylase, structural 1 (Odc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the first and rate-limiting step of polyamine biosynthesis that converts ornithine into putrescine, which is the precursor for the polyamines, spermidine and spermine. Polyamines are essential for cell proliferation and are implicated in cellular processes, ranging from DNA replication to apoptosis.
Molecular Mass	51.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Odc1 ornithine decarboxylase, structural 1 [Mus musculus (house mouse)]
Official Symbol	Odc1
Synonyms	ODC1; ornithine decarboxylase, structural 1; ornithine decarboxylase; ODC; MGC103389
Gene ID	18263
mRNA Refseq	NM_013614
Protein Refseq	NP_038642
UniProt ID	P00860

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