

## Recombinant Mouse Odc1 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length ornithine decarboxylase, structural 1 (Odc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	51.2 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	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](#) Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA