

Product datasheet for **TP507353**

Odc1 (NM_013614) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ornithine decarboxylase, structural 1 (Odc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR207353 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MSSFTKDEFDCHILDEGFTAKDILDQKINEVSSDDKDAFYVADLGDILKKHLRWLWALPRVTPFYAVKC
NDSRAIVSTLAAIGTGFDCAKTEIQLVQGLGVPAAERVIYANPCKQVSQIKYAAASNGVQMMTFDSEIELM
KVARAHPKAKLVLIATDDSKAVCRLSVKFGATLKTSLRLLERAKELNIDVIGVSFHVSGCTDPETFVQ
AVSDARCVFDMATEVGFMSHLLDIGGGFPGSEDTKLKFEETSVINPALDKYFSPDSGVRIIAEPGRYYV
ASAFTLAVNIIAKKTWKEQPGSDDDESNEQTFMYVNDGVYGSFNCILYDHAHVKALLQKRPKPDEKY
YSSSIWGPTCDGLDRIVERCNLPEMHVGDWMLFENMGAYTAAASTFNGFQRPNIYYVMSRPMWQLMKQI
QSHGFPPEVEEQDDGTLPMSCAQESGMDRHPAACASARINV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	51.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_038642
Locus ID:	18263



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UniProt ID: [P00860](#)

RefSeq Size: 2547

Cytogenetics: 12 8.11 cM

RefSeq ORF: 1386

Synonyms: ODC

Summary: 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.[UniProtKB/Swiss-Prot Function]