

# Recombinant Full Length Human ODC1 Protein, GST-tagged

**Cat. No.** ODC1-7018HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human full-length ODC1 (1 a.a. - 461 a.a.) fused with GST-tag at N-terminal, was expressed in vitro wheat germ expression system.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	461 amino acids
<b>Description</b>	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.
<b>Molecular Mass</b>	76.45 kDa
<b>Applications</b>	ELISA; WB
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

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<b>Gene Name</b>	ODC1 ornithine decarboxylase 1 [ Homo sapiens ]
<b>Official Symbol</b>	ODC1
<b>Synonyms</b>	ODC1; ornithine decarboxylase 1; ornithine decarboxylase; ODC; EC 4.1.1.17
<b>Gene ID</b>	4953
<b>mRNA Refseq</b>	NM_002539
<b>Protein Refseq</b>	NP_002530
<b>MIM</b>	165640
<b>UniProt ID</b>	P11926

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