

Recombinant Full Length Human ODC1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	461 amino acids
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	76.45 kDa
Applications	ELISA; WB
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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Gene Name	ODC1 ornithine decarboxylase 1 [Homo sapiens]
Official Symbol	ODC1
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

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