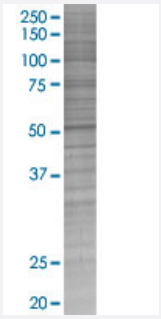
ODC1 293T Cell Transient Overexpression Lysate(Denatured)

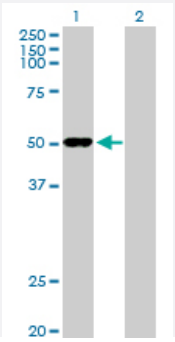
Catalog # H00004953-T01 Size 100 uL

Applications



SDS-PAGE Gel

ODC1 transfected lysate.



Western Blot

Lane 1: ODC1 transfected lysate (51.10 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ODC1 full-length
Host	Human
Theoretical MW (kDa)	51.1
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-ODC1 antibody (H00004953-D01P) by Western Blots. SDS-PAGE Gel ODC1 transfected lysate. Western Blot Lane 1: ODC1 transfected lysate (51.10 KDa) Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ODC1

Entrez GeneID	4953
GeneBank Accession#	NM_002539.1
Protein Accession#	NP_002530.1
Gene Name	ODC1
Gene Alias	ODC
Gene Description	ornithine decarboxylase 1
Omim ID	114500 165640
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	-

Pathway

- Arginine and proline metabolism
- Biosynthesis of alkaloids derived from ornithine
- Glutathione metabolism
- Metabolic pathways

Disease

- Adenoma
- Adenomatous Polyposis Coli
- Breast cancer
- Breast Neoplasms
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Gastritis
- Genetic Predisposition to Disease
- Neoplasm Recurrence
- Precancerous Conditions
- Recurrence
- Stomach Neoplasms