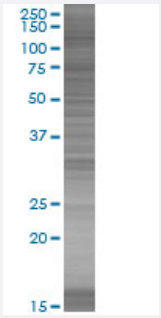
ORC1L 293T Cell Transient Overexpression Lysate(Denatured)

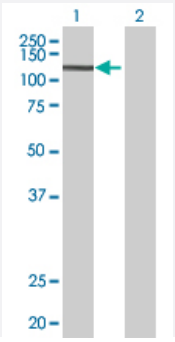
Catalog # H00004998-T01 Size 100 uL

Applications



SDS-PAGE Gel

ORC1L transfected lysate.



Western Blot

Lane 1: ORC1L transfected lysate (97.3 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ORC1L full-length
Host	Human
Theoretical MW (kDa)	97.3
Interspecies Antigen Sequence	Mouse (66); Rat (69)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-ORC1L antibody (H00004998-B01) by Western Blots. SDS-PAGE Gel ORC1L transfected lysate. Western Blot Lane 1: ORC1L transfected lysate (97.3 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 — ORC1L

Entrez GeneID	4998
GeneBank Accession#	NM_004153
Protein Accession#	NP_004144
Gene Name	ORC1L
Gene Alias	HSORC1, ORC1, PARC1
Gene Description	origin recognition complex, subunit 1-like (yeast)
Omim ID	601902
Gene Ontology	Hyperlink
Gene Summary	The origin recognition complex (ORC) is a highly conserved six subunits protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is the largest subunit of the ORC complex. While other ORC subunits are stable throughout the cell cycle, the levels of this protein vary during the cell cycle, which has been shown to be controlled by ubiquitin-mediated proteolysis after initiation of DNA replication. This protein is found to be selectively phosphorylated during mitosis. It is also reported to interact with MYST histone acetyltransferase 2 (MyST2/HBO1), a protein involved in control of transcription silencing. [provided by RefSeq

Other Designations	OTTHUMP00000009797|OTTHUMP00000009798|origin recognition complex 1|origin recognition complex, subunit 1|origin recognition complex, subunit 1, S. cerevisiae, homolog-like|replication control protein 1

Pathway

- Cell cycle