

Recombinant Human ORC1

Catalog No: #GP13055



Package Size: #GP13055-1 100ug

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Description

Product Name	Recombinant Human ORC1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 662-861 amino acids of human ORC1
Target Name	origin recognition complex subunit 1
Other Names	ORC1L; PARC1; HSORC1
Accession No.	Swissprot:Q13415Gene Accession:BC011539
Uniprot	Q13415
GeneID	4998;
Storage	-20~-80°C, pH 7.6 PBS

Background

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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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