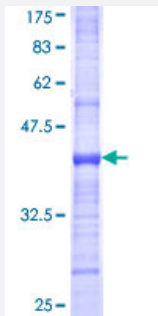


ORC1L (Human) Recombinant Protein (Q01)

Catalog # H00004998-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ORC1L partial ORF (AAH11539, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAHYPTRLKTRKTYSWVGRPLLDRKLHYQTYREMCVKTEGCSTEIHIQIGQFVLIEGDDDENPYVAKLLELFEDDSDPPPKKRARVQWFVRFCEVPACKRHLLGRKPGAQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Interspecies Antigen Sequence	Mouse (64); Rat (68)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ORC1L

Entrez GeneID [4998](#)

GeneBank Accession# [BC011539](#)

Protein Accession# [AAH11539](#)

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](#)