

# Recombinant Human ORC4 Protein (1-436 aa), His-SUMO-tagged

Cat. No. ORC4-703H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human ORC4 Protein (1-436 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Transcription. Protein Description: Full Length.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-436 aa
<b>Description</b>	Component of the origin recognition complex (ORC) that binds origins of replication. DNA-binding is ATP-dependent. The specific DNA sequences that define origins of replication have not been identified yet. ORC is required to assemble the pre-replication complex necessary to initiate DNA replication. Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3.
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	66.4 kDa
<b>AA Sequence</b>	MSSRKSKSNSLIHTECLSQVQRILRERFCRQSPHSNLFQVQVQYKHLSELLKRTALH GESNSVLIIGPRGSGKTM LINHALKELMEIEEVSENVLQVHLNGLLQINDKIALKEITRQ LNLENVVGDQVFGSFAENLSFLLEALKKGDRTSSCPVIFILDEFDLFAHHKNQTLLYN LFDISQSAQTPIAVIGLTCRLDILELLEKRVKSRFSHRQIHLMNSFGFPQYVKIFKEQLS

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LPAEFPDKVFAEKWNENVQYLSEDRSVQEVLQKHFNISKNLRLHMLLMLALNRVTA  
 SHPFMTAVDLMEASQLCSMDSKANIVHGLSVLEICLIAMKHLNDIYEEEEPFNFQMVY  
 NEFQKFVQRKAHSVYNFEKPVVMKAFEHLQQLELIKPMERTSGNSQREYQLMKLLL  
 DNTQIMNALQKYPNCPTDVRQWATSSLSWL

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with concentration instruction is sent along with the products.

## GENE INFORMATION

**Gene Name** [ORC4 origin recognition complex, subunit 4 \[ Homo sapiens \]](#)

**Official Symbol** [ORC4](#)

**Synonyms** [ORC4](#); [HsORC4](#); [Orc4p](#); [ORC4L](#); [ORC4P](#); [FLJ46668](#);

**Gene ID** [5000](#)

**mRNA Refseq** [NM\\_001190879](#)

**Protein Refseq** [NP\\_001177808](#)

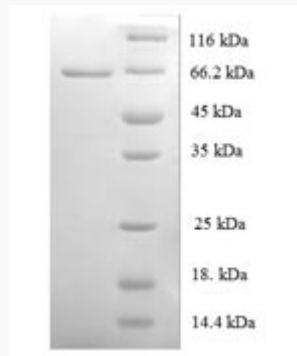
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MIM 603056

UniProt ID O43929



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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