



# Recombinant Human Origin recognition complex subunit 4 (ORC4)

<b>Product Code</b>	CSB-EP017234HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43929
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSSRKSKSNS LIHTECLSQV QRILRERFCR QSPHSNLFQV QVQYKHLSEL LKRTALHGES NSVLIIGPRG SGKTMLINHA LKELMEIEEV SENVLQVHLN GLLQINDKIA LKEITRQLNL ENVVGDKVFG SFAENLSFLL EALKKGDRTS SCPVIFILDE FDLFAHHKNQ TLLYNLFDIS QSAQTPIAVI GLTCRLDILE LLEKRVKSRF SHRQIHLMNS FGFPQYVKIF KEQLSLPAEF PDKVFAEKWN ENVQYLSEDR SVQEVLQKHF NISKNLRLSH MLLMLALNRV TASHPFMTAV DLMEASQLCS MDSKANIVHG LSVLEICLII AMKHLNDIYE EEPFNFQMVY NEFQKFVQRK AHSVYNFEKP VVMKAFEHLQ QLELIKPMER TSGNSQREYQ LMKLLLDNTQ IMNALQKYPN CPTDVRQWAT SSSLWL
<b>Source</b>	E.coli
<b>Target Names</b>	ORC4
<b>Protein Names</b>	Recommended name: Origin recognition complex subunit 4
<b>Expression Region</b>	1-436
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	The origin recognition complex (ORC) is a highly conserved six subunit 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. This protein is a subunit of the ORC complex. It has been shown to form a core complex with ORC2L, -3L, and -5L. Three alternatively spliced transcript variants encoding the same protein have been reported.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.