



# Recombinant Human Origin recognition complex subunit 3 (ORC3)

<b>Product Code</b>	CSB-YP866199HU
<b>Abbreviation</b>	ORC3
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9UBD5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MATSSMSKGC FVFKPNSKKR KISLPIEDYF NKGKNEPEDS KLRFETYQLI WQQMKSENER LQEELNKNLF DNLIIEFLQKS HSGFQKNSRD LGGQIKLREI PTAALVLGVN VTDHDLTFGS LTEALQNNVT PYVVS LQAKD CPDMKHFLQK LISQLMDCCV DIKSKEEESV HVTQRKTHYS MDSLSSWYMT VTQKTDPKML SKKRRTSSQW QSPPVVILK DMESFATKVL QDFIISSQH LHEFPLILIF GIATSPIIIH RLLPHAVSSL LCIELFQSLS CKEHLTTVLD KLLLTTQFPF KINEKVLQVL TNIFLYHDFS VQNFIKGLQL SLLEHFYSQP LSVLCCNLPE AKRRINFLSN NQCENIRRLP SFRRYVEKQA SEKQVALLTN ERYLKEETQL LLENLHVYHM NYFLVLRCLH KFTSSLPKYP LGRQIRELYC TCLEKNIWDS EEYASVLQLL RMLAKDELMT ILEKCFKVKF SYCENHLGST AKRIEEFLAQ FQSLDETKEE EDASGSQPKG LQKTDLYHLQ KSLLEMKELR RSKKQTKFEV LRENVNFID CLVREYLLPP ETQPLHEVVY FSAHALREH LNAAPRIALH TALNNPYYYL KNEALKSEEG CIPNIAPDIC IAYKLHLECS RLINLVDWSE AFATVVTA AE KMDANSATSE EMNEIIHARF IRAVSELELL GFIKPTKQKT DHVARLTWGG C
<b>Source</b>	Yeast
<b>Target Names</b>	ORC3
<b>Protein Names</b>	Recommended name: Origin recognition complex subunit 3 Alternative name(s): Origin recognition complex subunit Latheo
<b>Expression Region</b>	1-711
<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 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. This protein is a subunit of the ORC complex. Studies of a similar gene in *Drosophila* suggested a possible role of this protein in neuronal proliferation and olfactory memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene.

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**Reconstitution**

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.

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**Shelf Life**

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