



Recombinant Human Origin recognition complex subunit 2 (ORC2)

Product Code	CSB-EP614412HU
Abbreviation	ORC2
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q13416
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSKPELKEDK MLEVHFGVDD DVLNHILDRE GGAKLKKERA QLLVNPCKII KKPEYDLEED DQEVLDQNY VEIMGRDVQE SLKNGSATGG GNKVYSFQNR KHSEKMAKLA SELAKTPQKS VSFSLKNDPE ITINVPQSSK GHSASDKVQP KNNDKSEFLS TAPRSLRKRL IVPRSHSDSE SEYSASNSD DEGVAQEHEE DTNAVIFSQK IQAQN RVVSA PVGKETPSKR MKRDKTSDLV EEFYFEAHSS KVLTS DRTLQ KLKRAKLDQQ TLRNLLSKVS PSFSAELKQL NQQYEKLFHK WMLQLHLGFN IVLYGLGSKR DLLERFRTTM LQDSIHVVIN GFFPGISVKS VLNSITEEVL DHMGTFRSIL DQLDWIVNKF KEDSSLELFL LIHNLD SQML RGEKSQQIIG QLSSLHNIYL IASIDHLNAP LMWDHAKQSL FNWLWYETTT YSPYTEETSY ENSLLVKQSG SLPLSSLTHV LRS LTPNARG IFRL LIKYQL DNQDNPSYIG LSFQDFYQQC REAFLVNSDL TLRAQLTEFR DHKLIRTKKG TDGVEYLLIP VDNGLTDLDFL EKEEEEA
Source	E.coli
Target Names	ORC2
Protein Names	Recommended name: Origin recognition complex subunit 2
Expression Region	1-577
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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. This protein forms a core complex with ORC3L, -4L, and -5L. It also interacts with CDC45L and MCM10, which are proteins known to be important



for the initiation of DNA replication. This protein has been demonstrated to specifically associate with the origin of replication of Epstein-Barr virus in human cells, and is thought to be required for DNA replication from viral origin of replication.

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.

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.