



Recombinant Human Origin recognition complex subunit 4 (ORC4)

Product Code	CSB-MP017234HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43929
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MSSRKSKSNS LIHTECLSQV QRILRERFCR QSPHSNLFVQV QVQYKHLSEL LKRTALHGES NSVLIIGPRG SGKTMLINHA LKELMEIEEV SENVLQVHLN GLLQINDKIA LKEITRQLNL ENVVGDKVFG SFAENLSFLL EALKKGDRTS SCPVIFILDE FDLFAHHKNQ TLLYNLFDIS QSAQTPIAVI GLTCRLDILE LLEKRVKSRF SHRQIHLMNS FGFPQYVKIF KEQLSLPAEF PDKVFAEKWN ENVQYLSEDR SVQEV LQKHF NISKNL RSLH MLLMLALNRV TASHPFMTAV DLMEASQLCS MDSKANIVHG LSVLEICLII AMKHLNDIYE EEPFNFMVY NEFQKFVQRK AHSVYNFEKP VVMKAFEHLQ QLELIKPMER TSGNSQREYQ LMKLLLDNTQ IMNALQKYPN CPTDVRQWAT SLSLWL
Source	Mammalian cell
Target Names	ORC4
Protein Names	Recommended name: Origin recognition complex subunit 4
Expression Region	1-436
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 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.
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.