Recombinant Human Origin recognition complex subunit 5 (ORC5)

Product Code	CSB-YP017235HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43913
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MPHLENVVLC RESQVSILQS LFGERHHFSF PSIFIYGHTA SGKTYVTQTL LKTLELPHVF VNCVECFTLR LLLEQILNKL NHLSSSEDGC STEITCETFN DFVRLFKQVT TAENLKDQTV YIVLDKAEYL RDMEANLLPG FLRLQELADR NVTVLFLSEI VWEKFRPNTG CFEPFVLYFP DYSIGNLQKI LSHDHPPEYS ADFYAAYINI LLGVFYTVCR DLKELRHLAV LNFPKYCEPV VKGEASERDT RKLWRNIEPH LKKAMQTVYL REISSSQWEK LQKDDTDPGQ LKGLSAHTHV ELPYYSKFIL IAAYLASYNP ARTDKRFFLK HHGKIKKTNF LKKHEKTSNH LLGPKPFPLD RLLAILYSIV DSRVAPTANI FSQITSLVTL QLLTLVGHDD QLDGPKYKCT VSLDFIRAIA RTVNFDIIKY LYDFL
Source	Yeast
Target Names	ORC5
Protein Names	Recommended name: Origin recognition complex subunit 5
Expression Region	1-435
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 4L. Alternatively spliced transcript variants encoding distinct isoforms have been described.
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.