Recombinant Human Replication factor C subunit 2 (RFC2)

Product Code	CSB-EP019589HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P35250
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEVEAVCGGA GEVEAQDSDP APAFSKAPGS AGHYELPWVE KYRPVKLNEI VGNEDTVSRL EVFAREGNVP NIIIAGPPGT GKTTSILCLA RALLGPALKD AMLELNASND RGIDVVRNKI KMFAQQKVTL PKGRHKIIIL DEADSMTDGA QQALRRTMEI YSKTTRFALA CNASDKIIEP IQSRCAVLRY TKLTDAQILT RLMNVIEKER VPYTDDGLEA IIFTAQGDMR QALNNLQSTF SGFGFINSEN VFKVCDEPHP LLVKEMIQHC VNANIDEAYK ILAHLWHLGY SPEDIIGNIF RVCKTFQMAE YLKLEFIKEI GYTHMKIAEG VNSLLQMAGL LARLCQKTMA PVAS
Source	E.coli
Target Names	RFC2
Protein Names	Recommended name: Replication factor C subunit 2 Alternative name(s): Activator 1 40 kDa subunit Short name= A1 40 kDa subunit Activator 1 subunit 2 Replication factor C 40 kDa subunit Short name= RF-C 40 kDa subunit Shor
Expression Region	1-354
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 elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins, proliferating cell nuclear antigen (PCNA) and replication factor C (RFC). RFC, also called activator 1, is a protein complex consisting of five distinct subunits of 145, 40, 38, 37, and 36.5 kD. This gene encodes the 40 kD subunit, which has been shown to be responsible for binding ATP. Deletion of this gene has been associated with Williams syndrome. 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.