Recombinant Human Cyclin-dependent kinase 4 inhibitor C (CDKN2C)

Product Code	CSB-EP005094HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P42773
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAEPWGNELA SAAARGDLEQ LTSLLQNNVN VNAQNGFGRT ALQVMKLGNP EIARRLLLRG ANPDLKDRTG FAVIHDAARA GFLDTLQTLL EFQADVNIED NEGNLPLHLA AKEGHLRVVE FLVKHTASNV GHRNHKGDTA CDLARLYGRN EVVSLMQANG AGGATNLQ
Source	E.coli
Target Names	CDKN2C
Protein Names	Recommended name: Cyclin-dependent kinase 4 inhibitor C Alternative name(s): Cyclin-dependent kinase 6 inhibitor p18-INK4c p18-INK6
Expression Region	1-168
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	This protein is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to interact with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. Ectopic expression of this gene was shown to suppress the growth of human cells in a manner that appears to correlate with the presence of a wild-type RB1 function. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis. Two alternatively spliced transcript variants of this gene, which encode an identical 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.