Recombinant Human Cyclin-dependent kinase 4 inhibitor B (CDKN2B)

Product Code	CSB-EP005092HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P42772
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MREENKGMPS GGGSDEGLAS AAARGLVEKV RQLLEAGADP NGVNRFGRRA IQVMMMGSAR VAELLLLHGA EPNCADPATL TRPVHDAARE GFLDTLVVLH RAGARLDVRD AWGRLPVDLA EERGHRDVAG YLRTATGD
Source	E.coli
Target Names	CDKN2B
Protein Names	Recommended name: Cyclin-dependent kinase 4 inhibitor B Alternative name(s): Multiple tumor suppressor 2 Short name= MTS-2 p14-INK4b p15-INK4b Short name= p15INK4B
Expression Region	1-138
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 gene lies adjacent to the tumor suppressor gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. This gene encodes a cyclin-dependent kinase inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, 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.