Recombinant Human Mediator of RNA polymerase II transcription subunit 7 (MED7)

Product Code	CSB-EP013667HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43513
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MGEPQQVSAL PPPPMQYIKE YTDENIQEGL APKPPPPIKD SYMMFGNQFQ CDDLIIRPLE SQGIERLHPM QFDHKKELRK LNMSILINFL DLLDILIRSP GSIKREEKLE DLKLLFVHVH HLINEYRPHQ ARETLRVMME VQKRQRLETA ERFQKHLERV IEMIQNCLAS LPDDLPHSEA GMRVKTEPMD ADDSNNCTGQ NEHQRENSGH RRDQIIEKDA ALCVLIDEMN ERP
Source	E.coli
Target Names	MED7
Protein Names	Recommended name: Mediator of RNA polymerase II transcription subunit 7 Short name= hMED7 Alternative name(s): Activator-recruited cofactor 34 kDa component Short name= ARC34 Cofactor required for Sp1 transcriptional activation s
Expression Region	1-233
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 activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. This protein is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. Two transcript variants encoding the same protein have been found for this gene.
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.