



Recombinant Human Coilin (COIL)

Product Code	CSB-MP005713HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P38432
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAASETVRLR LQFDYPPPAT PHCTAFWLLV DLNRCRVVTD LISLIRQRFG FSSGAFLGLY LEGLLPPAE SARLVRDNDL LRVKLEERGV AENSVVISNG DINLSLRKAK KRAFQLEEGE ETEPDCKYSK KHWKSRENNN NNEKVLDP KAVTDQTVSK KNRKKNKATC GTVGDDNEEA KRKSPKKKEK CEYKKKAKNP KSPKVQAVKD WANQRCSSPK GSARNSLVKA KRKGSVSVCS KESPSSSES ESCDESISDG PSKVTLEARN SSEKLPTELS KEEPSTKNTT ADKLAIKLGF SLTPSKGKTS GTTSSSSDSS AESDDQCLMS SSTPECAAGF LKTVGLFAGR GRPGPGLSSQ TAGAAGWRRS GSNGGGQAPG ASPSVSLPAS LGRGWGREEN LFSWKGAKGR GMRGRGRGRG HPVSCVVNRS TDNQRQQQLN DVVKNSSTII QNPVETPKKD YSLLPLLAAA PQVGEKIAFK LLELTSSYSP DVSDYKEGRI LSHNPETQQV DIEILSSLPA LREPGKFDLV YHNENGAIEVV EYAVTQESKI TVFWKELIDP RLIIESPSNT SSTEPA
Source	Mammalian cell
Target Names	COIL
Protein Names	Recommended name: Coilin Alternative name(s): p80
Expression Region	1-576
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 an integral component of Cajal bodies (also called coiled bodies). Cajal bodies are nuclear suborganelles of varying number and composition that are involved in the post-transcriptional modification of small nuclear and small nucleolar RNAs. The N-terminus of the coilin protein directs its self-oligomerization while the C-terminus influences the number of nuclear bodies assembled per cell. Differential methylation and phosphorylation of coilin likely influences its localization among nuclear bodies and the composition and assembly of Cajal bodies. This gene has pseudogenes on chromosome 4 and chromosome 14.
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.