



# Recombinant Human Coilin (COIL)

<b>Product Code</b>	CSB-EP005713HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P38432
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MAASETVRLR LQFDYPPPAT PHCTAFWLLV DLNRCRVVTD LISLIRQRFQ  FSSGAFLGLY LEGLLPPAE SARLVRDNDL LRVKLEERGV AENSVVISNG  DINLSLRKAK KRAFQLEEGE ETEPDCYKSK KHWKSRENNN NNEKVLDP  KAVTDQTVSK KNKRKNKATC GTVGDDNEEA KRKSPKKKEK CEYKKKAKNP  KSPKVQAVKD WANQRCSSPK GSARNSLVKA KRKGSVSVCS KESPPSSSES  ESCDESISDG PSKVTLEARN SSEKLPTELS KEEPSTKNTT ADKLAIKLGF  SLTPSKGKTS GTTSSSSDSS AESDDQCLMS SSTPECAAGF LKTVGLFAGR  GRPGPGLSSQ TAGAAGWRRS GSNGGGQAPG ASPSVSLPAS  LGRGWGREEN LFSWKGAKGR GMRGRGRGRG HPVSCVVNRS  TDNQRQQQLN DVVKNSSTII QNPVETPKKD YSLLPLAAA PQVGEKIAFK  LLELTSSYSP DVSDYKEGRI LSHNPETQQV DIEILSSLPA LREPGKFDLV  YHNENGAEVV EYAVTQESKI TVFWKELIDP RLIIESPSNT SSTEPA</p>
<b>Source</b>	E.coli
<b>Target Names</b>	COIL
<b>Protein Names</b>	Recommended name: Coilin Alternative name(s): p80
<b>Expression Region</b>	1-576
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	<p>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.</p>
<b>Reconstitution</b>	<p>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</p>



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.