

Recombinant Human COIL protein, His & T7-tagged

Cat. No. COIL-2717H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COIL aa. (Ser319~Glu538 (Accession # P38432)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser319~Glu538
Description	The protein encoded by this gene 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 9.1.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

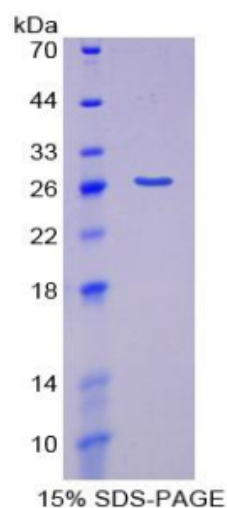
Gene Name	COIL coilin [Homo sapiens (human)]
Official Symbol	COIL
Synonyms	CLN80; p80-coilin; coilin p80; p80; coilin
Gene ID	8161
mRNA Refseq	NM_004645.2
Protein Refseq	NP_004636.1
UniProt ID	P38432

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SDS-PAGE



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