

Recombinant Human COIL

Cat. No. COIL-26172TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Coilin with a proprietary tag: predicted molecular weight 36.52 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
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.
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	Found in all the cell types examined.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	IAFKLLELTSSYSPDVSDYKEGRILSHNPETQQVDIEILSSLPALREPGKFDLVYHNEN GAEVVEYAVTQESKITVFWKELIDPRLIIESPSNTSSTEP
Sequence Similarities	Belongs to the coilin family.

GENE INFORMATION

Gene Name	COIL coilin [Homo sapiens]
Official Symbol	COIL
Synonyms	COIL; coilin; CLN80; p80 coilin;
Gene ID	8161
mRNA Refseq	NM_004645
Protein Refseq	NP_004636
MIM	600272
Uniprot ID	P38432
Chromosome Location	17q22-q23

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Function

disulfide oxidoreductase activity; identical protein binding; protein C-terminus binding; protein binding;

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