

# Recombinant Full Length Human COIL Protein, GST-tagged

**Cat. No.** COIL-2086HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human COIL full-length ORF (BAG36378.1, 1 a.a. - 576 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 576 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 89 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MAASETVRLRLQFDYPPPATPHCTAFWLLVDLNRCRVVTDLISLIRQRFSGAFL<br>GLYLEGGLLPPEASARLVRDNDCLRVKLEERGVAENSVVISNGDINLSLRKAKKRAF<br>QLEEGEETEPDCKYSKKHWKSRENNNNNEKVLDPKAVTDQTVSKKNKRKNKAT<br>CGTVGDDNEEAKRKSPKKKEKCEYKKKAKNPKSPKVQAVKDWANQRCSSPKGSA                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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RNSLVKAKRKGSVSVCSKESPPSSSESESCDESISDGPSKVTLEARNSSSEKLPTELS  
 KEEPSTKNNTTADKLAIKLGFSLTSPSKGKTS GTTSSSSDSSAESDDQCLMSSSTPECA  
 AGFLKTVGLFAGRGRPGPGLSSQTAGAAGWRRSGSNGGGQAPGASPSVSLPASL  
 GRGWGREENLFSWKGA KGRGMRGRGRGRGHPVSCVVRSTDNQRQQQLNDVV  
 KNSSTIIQNPVETPKKDYSLLPLLAAPQVGEKIAFKLLELTSSYSPDVSDYKEGRILS  
 HNPETQQVDIEILSSLPALREPGKFDLVYHNENGAEVVEYAVTQESKITVFWKELIDP  
 RLIESPSNTSSTEPA

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

COIL coilin [ [Homo sapiens](#) ]

**Official Symbol**

COIL

**Synonyms**

COIL; coilin; CLN80; p80 coilin; p80; coilin p80; p80-coilin

**Gene ID**

8161

**mRNA Refseq**

NM\_004645

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|                |           |
|----------------|-----------|
| Protein Refseq | NP_004636 |
| MIM            | 600272    |
| UniProt ID     | P38432    |

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