

## Recombinant Human COIL Protein, GST-tagged

Cat. No. COIL-1633H 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>	Wheat Germ
<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>	MAASETVRLRLQFDYPPPATPHCTAFWLLVDLNRVVTDLISLIRQRFSGAFL GLYLEGGLLPPAESARLVRDNDCLRVKLEERGVAENSVVISNGDINLSLRKAKKRAF QLEEGEETEPDCKYSKHKHWSRENNNNNEKVLDPKAVTDQTVSKKNKRKNKAT CGTVGDDNEEAKRKSPKKKEKCEYKKKAKNPKSPKVQAVKDWANQRCSSPKGSA RNSLVKAKRKGSVSVCSKESPPSSSESESCDESISDGPSKVTLEARNSSSEKLPTELS

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KEEPSTKNNTADKLAIKLGFSLTPSKGKTS GTTSSSSDSSAESDDQCLMSSSTPECA  
 AGFLKTVGLFAGRGRPGPGLSSQTAGAAGWRRSGSNGGGQAPGASPSVSLPASL  
 GRGWGREENLFSWKGAKGRGMRGRGRGRGHPVSCVVNRSTDNQRQQQLNDVV  
 KNSSTIIQNPVETPKKDYSLLPLLAAPQVGEKIAFKLLELTSSYSPDVSDYKEGRILS  
 HNPETQQVDIEILSSLPALREPGKFDLVYHNENGAEVVEYAVTQESKITVFWKELIDP  
 RLIIESPSNTSSTEPA

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.


## GENE INFORMATION

<b>Gene Name</b>	COIL coilin [ Homo sapiens ]
<b>Official Symbol</b>	COIL
<b>Synonyms</b>	COIL; coilin; CLN80; p80 coilin; p80; coilin p80; p80-coilin;
<b>Gene ID</b>	8161
<b>mRNA Refseq</b>	NM_004645
<b>Protein Refseq</b>	NP_004636




**MIM** 600272

**UniProt ID** P38432

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