

Recombinant Human COIL Protein, GST-tagged

Cat. No. COIL-1633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COIL full-length ORF (BAG36378.1, 1 a.a. - 576 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	89 kDa
AA Sequence	MAASETVRLRLQFDYPPPATPHCTAFWLLVDLNRVVTDLISLIRQRFSSGAFL GLYLEGGLLPPAESARLVRDNDCLRVKLEERGVAENSVVISNGDINLSLRKAKKRAF QLEEGEETEPDCKYSKKHWKSRENNNNNEKVLDPKAVTDQTVSKKNKRKNKAT CGTVGDDNEEAKRKSPKKKEKCEYKKKAKNPKSPKVQAVKDWANQRCSSPKGSA RNSLVKAKRKGSVSVCSKESPPSSSESESCDESISDGPSKVTLEARNSSSEKLPTELS

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KEEPSTKNTTADKLAIKLGFSLTPSKGKTS GTTSSSSDSSAESDDQCLMSSSTPECA
 AGFLKTVGLFAGRGRPGPGLSSQTAGAAGWRRSGSNGGGQAPGASPSVSLPASL
 GRGWGREENLFSWKGA KGRGMRGRGRGRGHPVSCV VNRSTDNQRQQQLNDVV
 KNSSTIIQNPVETPKKDYSLLPLLA AAPQVG EKIAFKLLELTSSYSPDVSDYKEGRILS
 HNPETQQVDIEILSSLPALREPGKFDLVYHNENGA EVVEYAVTQESKITVFWKELIDP
 RLIIESPNTSSTEPA

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

Protein Refseq

NP_004636

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MIM	600272
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UniProt ID	P38432
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