

Recombinant Full Length Human COIL Protein, GST-tagged

Cat. No. COIL-2086HF **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	In Vitro Cell Free System
ProteinLength	576 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. [provided by RefSeq, Jul 2008]
Molecular Mass	89 kDa
AA Sequence	MAASETVRLRLQFDYPPPATPHCTAFWLLVDLNRCRVVTDLISLIRQRFSGAFL GLYLEGGLLPPAESARLVRDNDCLRVKLEERGVAENSVVISNGDINLSLRKAKKRAF QLEEGEETEPDCKYSKKHWKSRENNNNNEKVLDPKAVTDQTVSKKNKRKNKAT CGTVGDDNEEAKRKSPKKKEKCEYKKKAKNPKSPKVQAVKDWANQRCSSPKGSA

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RNSLVKAKRKGSVSVCSKESPSSSSSESESCDESISDGPSKVTLEARNSSSEKLPTELS
 KEEPSTKNTTADKLAIKLGFSLTSPSKGKTS 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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