

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	MAASETVRLRLQFDYPPPATPHCTAFWLLVDLNRVVTDLISLIRQRFSGAFL GLYLEGGLLPPAESARLVRDNDCLRKLEERGVAENSVVISNGDINLSLRKAKKRAF QLEEGEETEPDCKYSKHWKSRENNNNNEKVLDPKAVTDQTVSKKNKRKKNKAT CGTVGDDNEEAKRKSPKKKEKCEYKKKAKNPKSPKVQAVKDWANQRCSSPKGSA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RNSLVKAKRKGSVSVCSKESPSSSSESESCDESISDGPSKVTLEARNSSSEKLPTELS
 KEEPSTKNNTADKLAIKLGFSLTPSKGKTSGTTSSSSDSSAESDDQCLMSSSTPECA
 AGFLKTVGLFAGRGRPGPGLSSQTAGAAGWRRSGSNGGGQAPGASPSVSLPASL
 GRGWGREENLFSWKGAKGRGMRGRGRGRGHPVSCVNRSTDNQRQQQLNDVV
 KNSSTIIQNPVETPKKDYSLLPLLAAPQVGEKIAFKLLELTSSYSPDVSDYKEGRILS
 HNPETQQVDIEILSSLPALREPGKFDLVYHNENGAEVVEYAVTQESKITVFWKELIDP
 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

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Protein Refseq	NP_004636
MIM	600272
UniProt ID	P38432

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