

Full-Length

COIL (Human) Recombinant Protein (P01)

Catalog # H00008161-P01

Size 50 ug

Specification

Product Description	Human COIL full-length ORF (BAG36378.1, 1 a.a. - 576 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAASETVRLRLQFDYPPPATPHCTAFWLLVDLNRCRVVTDLISLIRQRFSSGAFLGLYLEGGLL PPAESARLVRDNDCLRVKLEERGVAENSVVISNGDINLSLRKAKKRAFQLEEGEETEPDCKYSKK HWKSRENNNNNEKVL DLEPKAVTDQTVSKKNRKNKATCGTVGDDNEEAKRKSPKKKEKCEYK KKAKNP KSPKVQAVKDWANQRCSSPKGSARNSLVKAKRKGSVSVCSKESPSSSSESESCDE SISDGPSKVTLEARNSSSEKLPTELSKEEPSTKNTTADKLAIKLGFSLTPSKGKTS GTTSSSSDSSA ESDDQCLMSSSTPECAAGFLKTVGLFAGRGRPGPLSSQTAGAAGWRRSGSNGGGQAPGASP SVSLPASLGRGWGREENLFSWKGAKGRGMRGRGRGRGHPVSCV VNRSTDNQRQQQLNDVVK NSSTIQNPVETPKKDYSLLPLLAAPQVGEKIAFKLLELTSSYSPDVSDYKEGRILSHNPETQQVDI EILSSLPALREPGKFDLVYHNENGAEVVEYAVTQESKITVFWKELIDPRLIIESPSNTSSTEPA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	89
Interspecies Antigen Sequence	Mouse (67)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — COIL

Entrez GeneID [8161](#)

GeneBank Accession# [AK313616.1](#)

Protein Accession# [BAG36378.1](#)

Gene Name COIL

Gene Alias CLN80, p80-coilin

Gene Description coilin

Omim ID [600272](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations coilin p80

Disease

- [Diabetes Mellitus](#)