

Product datasheet for RC203119L1V

OriGene Technologies, Inc.

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Coilin (COIL) (NM_004645) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Coilin (COIL) (NM_004645) Human Tagged ORF Clone Lentiviral Particle

Symbol: Coilin

Synonyms: CLN80; p80-coilin

Mammalian Cell

Selection:

None

Vector: pLenti-C-Myc-DDK (PS100064)

 Tag:
 Myc-DDK

 ACCN:
 NM_004645

ORF Size: 1728 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC203119).

OTI Disclaimer:

Sequence:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 004645.2

 RefSeq Size:
 2649 bp

 RefSeq ORF:
 1731 bp

 Locus ID:
 8161

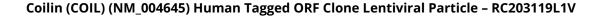
 UniProt ID:
 P38432

Cytogenetics: 17q22

Protein Families: Stem cell - Pluripotency

MW: 62.6 kDa







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, Jul 2008]