

Product datasheet for **SC204971**

KLC1 (NM_182923) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: KLC1 (NM_182923) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: KLC1
Synonyms: KLC; KNS2; KNS2A
ACCN: NM_182923
Insert Size: 375 bp
Insert Sequence: >SC204971 3'UTR clone of NM_182923
The sequence shown below is from the reference sequence of NM_182923. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGCAGTGGCCTGGAAGACGCCACCGCTAACTGACCCCGACCTGGCCCCGCTCCAGGATGGGACTGCCG
AGTGTGGCCCGGAGCTGGCCCGGACAGCCAGGGCGGCAGGGAGGGCCCTGGCCGGGAGCCGACGCGC
TCACTCATTTCTCCTGCGTCTGTGTGCATAGGACATGATACTAATAACCACACGGCTGGCGTGACCTTG
GGGCTGGGGCTGGGCCTAAGCTGGTGCCCTGGTGCGGCGTGGTCTCTCCAGGAGACCTGGGGCATGAG
CTGGGCCACGGCTCCCTTCCCATGTGTAACCTCCTCACGTTGTGTGCGATAACGTATTTTATTGTACA
TTTTTTTAAATAAAAGTTTATATGCCTTA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_182923.4](#)



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Summary:

Conventional kinesin is a tetrameric molecule composed of two heavy chains and two light chains, and transports various cargos along microtubules toward their plus ends. The heavy chains provide the motor activity, while the light chains bind to various cargos. This gene encodes a member of the kinesin light chain family. It associates with kinesin heavy chain through an N-terminal domain, and six tetratricopeptide repeat (TPR) motifs are thought to be involved in binding of cargos such as vesicles, mitochondria, and the Golgi complex. Thus, kinesin light chains function as adapter molecules and not motors per se. Although previously named "kinesin 2", this gene is not a member of the kinesin-2 / kinesin heavy chain subfamily of kinesin motor proteins. Extensive alternative splicing produces isoforms with different C-termini that are proposed to bind to different cargos; however, the full-length nature and/or biological validity of most of these variants have not been determined. [provided by RefSeq, Jul 2008]

Locus ID:

3831

MW:

13.6