

Product datasheet for SC303623

KIF25 (NM_005355) Human Untagged Clone

Product data:

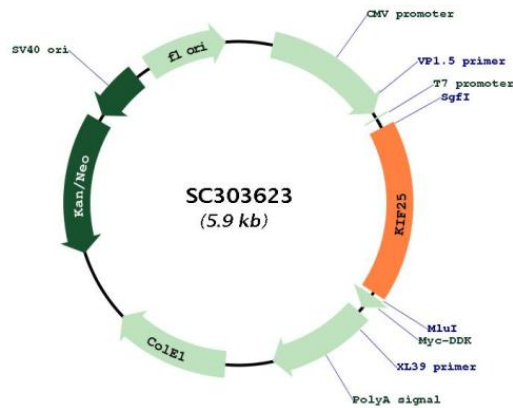
Product Type:	Expression Plasmids
Product Name:	KIF25 (NM_005355) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF25
Synonyms:	KNSL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303623 representing NM_005355. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACATGGACCTCAGGTCAGCTTCAGCGTGAGAAGCAGGCCAGGCCTGGGTCTGGAGCCGTCTGGCC
TTCCAGATGACAAGGACCTCAGGGTTTATGGTCCAGCAGAGTCTCAGAGCGCGGTCTTTGGAGATGTG
TGCCCCCTACTCACTTCTCTCTTGGATGGGTACAATGTTTGTGTTATGGCGTATGGACAGACGGGCAGC
GGAAAGAGCTATACCATGCTGGGACGCCATTCGGACGACGGCCCTGTTCTGCCGTTGACCCACAGAGT
GACTTAGGAATTATCCCTAGAGTGGCTGAGGAGCTCTTCAGGCTCATTGAAAAATACCTCAAGAAGC
CCAAAGGTTGAAGTCTCCATAGTGAAGTTTACAATAATGACATTTTGGACCTTCTGGCCAAAGACAGC
ATTGCAGCAGTGTCCGGGGTCAAGCGTGAGGTGGTGACAGCCAAGGATGGACGGACAGAGTTGCGCTG
CTGGCCTCTGAGGCTGTCCGGCAGCGCCTCGAAACTGATGGAGCTCGTTTATGGAGGCTGACAGCTCAGG
GCGAAGCACCCACCCCTGGTGCACGCGGATTCCTCCAGGTCTCACCTGATAATTACGGTGACTCTAACC
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GCAGGAAGGGCAGGAAGGAGCCGAGAGCTTCTCAAGGGGCCCTGGCTCCACAGCTGGTTCTGGGAAC
CCCGCAGGGCATGCGGAGCAGGTGCAGGCTCGACTACAGCTCGTGGACTCGGCCGGCAGCGAGTGCCTT
GGAGGCGATGCGAAGTTACTGGTATTCTCTGCATTTCTCCAGCCAGAGGCACCTGGCACAGACGTTG
CAGGGCCTGGTTTCGGGATCCGAGCTCGCAAGTCCAGCGAGGCCCTGCCGAAAGAAGCCGCCAGC
TCCCAAACGGAGGGGAAGAGGAGCCGGATTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_005355

Insert Size: 999 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_005355.3](#)

RefSeq Size: 1354 bp

RefSeq ORF: 999 bp

Locus ID: 3834

UniProt ID: [Q9UIL4](#)

Cytogenetics: 6q27

Protein Families: Druggable Genome

MW: 35.2 kDa

Gene Summary: The protein encoded by this gene is a member of the kinesin-like protein family. Protein family members are microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. However, the particular function of this gene product has not yet been determined. Two alternatively spliced transcript variants which encode products have been described. Other splice variants have been found that lack exon 2 and the initiation codon for translation. [provided by RefSeq, Jul 2008]
Transcript Variant: This transcript (2) lacks exon 8, and encodes a shorter protein. The protein lacks an internal protein fragment, compared to that encoded by transcript variant 1.