

Product datasheet for **RC239123**

KLC4 (NM_001289034) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLC4 (NM_001289034) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KLC4
Synonyms:	bA387M24.3; KNSL8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239123 representing NM_001289034
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGGCCTGGTGTGGGGCAGCGGGATGAGCCTGCAGGCCACCGGCTCAGCCAAGAGGAGATCCTGG
 GGAGCACACGGCTGGTCAGCCAAGGGCTAGAGGCCCTACGCAGTGAACACCAGGCCGTGCTGCAAAAGCCT
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 CTTGCGCGTTCTATGGAAAACATTGAGCTCGGGCTGAGTGAGGCCCAGGTGATGCTGGCTCTAGCCAGCC
 ACCTGAGCACAGTGGAGTCGGAGAAACAGAAGCTGCGGGCTCAGGTGCGGCGGCTATGCCAGGAGAACCA
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Protein Sequence:

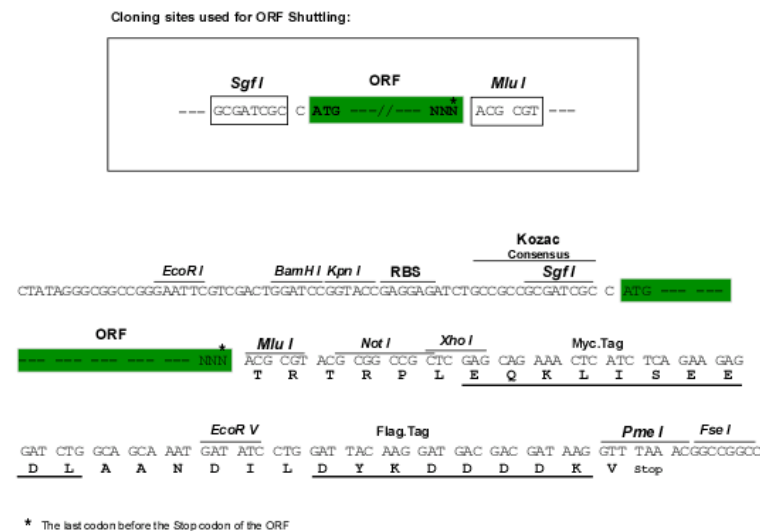
>RC239123 representing NM_001289034
 Red=Cloning site Green=Tags(s)

MSGLVLGQRDEPAGHRLSQEEILGSTRVLSQGLEALRSEHQAVLQSLSQTIIECLQQGGHEEGLVHEKARQ
 LRRSMENIELGLSEAQVMLALASHLSTVESEKQKLRAQVRRLCQENQWLRDELQQLRQSEQAVAQL
 EEEKKHLEFLGQLRQYDEDGHTSEEKEGDATKDSLDDLPNNEEDPSNGLSRGQATAAQGGYEIPAR
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 SIRESTLGPDPVAATLNNLAVLYGKRKYKEAEPLCQRALEIREKVLGTNHPDVAKQLNNLALLCQNG
 GKYEAVERYQYRALAIYEQGLGPDNPVARTKNNLASCYLKQGYAEATLYKEILTRAHVQEFQSVDDD
 HKPIWMHAEEREEMSKSRHHEGGTPYAEYGGWYKACKVSSPTVNTTLRNLGALYRRQGKLEAAETLEECA
 LRSRRQGTDPISQTKVAELLGESDGRRTSQEGPDSVKFEGGEDASVAVESWGDGSGTLQRSGSLGKIRD
 VLRRSELLVRKLQGTEPRPSSNMKRAASLNYLNQPSAAPLQVSRGLSASTMDLSSSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001289034

ORF Size: 1857 bp

OTI Disclaimer: 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.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

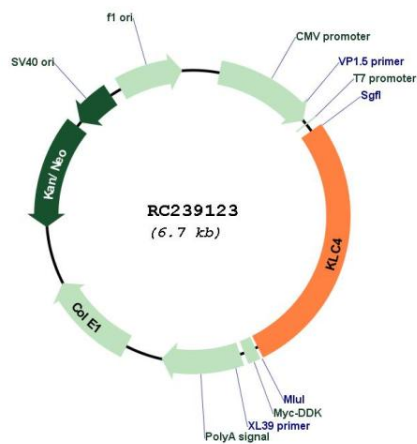
RefSeq: NM 001289034.2

RefSeq Size: 2638 bp

RefSeq ORF: 1860 bp

Locus ID:	89953
UniProt ID:	Q9NSK0
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome
MW:	69.1 kDa
Gene Summary:	Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport. The light chain may function in coupling of cargo to the heavy chain or in the modulation of its ATPase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239123