

Product datasheet for **SC309796**

KLC4 (NM_201523) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLC4 (NM_201523) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLC4
Synonyms:	bA387M24.3; KNSL8
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_201523, the custom clone sequence may differ by one or more nucleotides <pre> ATGGAAGTGACTGGGTTTGGAGTGACCAGACCGGGCAAGGTCCCCAGGCCAGGATGTCA GGCCTGGTGTGGGGCAGCGGGATGAGCCTGCAGGCCACCGGCTCAGCCAAGAGGAGATC CTGGGGAGCACACGGCTGGTCAGCCAAGGGCTAGAGGCCCTACGCAGTGAACACCAAGGCC GTGCTGCAAAGCCTGTCCAGACCATTGAGTGTCTGCAGCAGGGAGGCCATGAGGAAGGG CTGGTGTCATGAGAAGGCCCGGCAGCTTCGCCGTTCTATGGAAAACATTGAGCTCGGGCTG AGTGAGGCCAGGTGATGCTGGCTCTAGCCAGCCACCTGAGCACAGTGGAGTCGGAGAAA CAGAAGCTGCGGGCTCAGGTGCGGCGGCTATGCCAGGAGAACCAGTGGCTGCGGGATGAG CTGGCTGGCACCCAGCAGCGGCTACAGCGCAGTGAACAGGCTGTGGCTCAGCTGGAGGAG GAAAAGAAGCACCTGGAGTTCCTGGGGCAGCTGCGGCAGTATGATGAGGATGGACATACC TCGGAGGAGAAAAGAGCGATGCCACCAAGGATTCCCTGGATGACCTCTTTCCTAATGAG GAGGAAGAGGACCCAGCAATGGCTTGTCCCGTGGTCAAGGTGCTACAGCAGCTCAGCAG GGTGGATATGAGATCCCAGCAAGGTTGCGGACGTTGCACAACCTGGTATCCAGTACGCA GCCAAGGTCGCTATGAGGTGGCCGTGCCACTCTGTAAGCAGGCACTAGAGGACCTGGAG CGCACATCAGGCCGTGGCCACCCTGATGTCGCCACCATGCTCAACATCCTTGCTTTGGTG TATCGTGACCAGAATAAGTATAAGGAAGCTGCCACCTGCTGAATGATGCCCTTAGCATC CGGGAGAGCACCTTGGACCTGACCATCCTGCTGTGGTGCCACACTCAACAATTTGGCT GTGCTCTATGGCAAAAGGGGCAAGTACAAGGAGGCAGAGCCTCTGTGCCAGCGGGCACTG GAGATTCGAGAAAAGGTCTGGGCACGAATCATCCAGATGTGGCAAAACAGCTGAACAAC CTGGCCCTCTTGTGCCAAAACAGGGCAAGTATGAGGCCGTGGAACGCTACTACCAGCGA GCACTGGCCATCTACGAGGGGCAGCTGGGGCCGACAAACCCTAATGTAGCCCGGACCAAG AACAACTGGCTTCTGTACCTGAAACAGGGCAAATATGCTGAGGCTGAGACACTATAC AAAGAGATCCTGACCCGTGCCCATGTACAGGAGTTTGGGTCTGTGGATGATGACCAACAAG CCCATCTGGATGCATGCAGAGGAGCGGGAGGAAATGAGCAAAAGCCGGCACCATGAGGT GGGACACCCTATGCTGAGTATGGAGGCTGGTACAAGGCCTGCAAAGTGAAGAGCCCAACA GTGAACACTACTCTGAGAAACCTGGGAGCTCTGTATAGGCGCCAGGGAAAGCTGGAGGCT GCTGAGACCCTGGAGGAATGTGCCCTGCCGTCCCGGAGACAGGGCACTGACCCTATCAGC CAGACGAAGGTGGCAGAGCTGCTTGGGGAGAGTATGGTGAAGGACCTCCAGGAGGGC CCTGGAGACAGTGTAAATTCGAGGGAGGTGAAGATGCTTCTGTGGCTGTGGAGTGGTCC GGGGATGGCAGTGGGACCCTGCAGAGGAGTGGCTCTTGGCAAGATCCGGGATGTGCTC CGCAGAAGCAGTGAACCTTGGTGAGGAAGCTCCAGGGGACTGAGCCTCGGCCCTCCAGC AGCAACATGAAGCGAGCAGCCTCCTTGAACATCTGAACCAACCTAGTGCAGCACCCCTC CAGGTCTCCCGGGGCTCAGTGCCAGCACCATGGACCTCTCTCAAGCAGCTGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_201523
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:	<u>NM_201523.1, NP_958931.1</u>
RefSeq Size:	2674 bp
RefSeq ORF:	1914 bp
Locus ID:	89953
UniProt ID:	<u>Q9NSK0</u>
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome
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] Transcript Variant: This variant (3) encodes the longest isoform (b).