

## Product datasheet for **SC103996**

### **DYNC1H1 (AK096165) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DYNC1H1 (AK096165) Human Untagged Clone
Tag:	Tag Free
Symbol:	DYNC1H1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK096165, the custom clone sequence may differ by one or more nucleotides

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ATTAGCCAGGCGTGGTGGCGTGCCTATAATCCCAGCTACTGGGGAGGCTGAGGCAGGAGAATCGCTTG
AACCCAGGAGGCAGAGGTTGGCAGTGAGCTGAGATCACATCACTGCACTCCAGCCTGGGCGAAAGAGCAA
GACCCCGTCTCAAAAAAAAAAAAAAAAAAGACCTGTCTGGACAACATAGTGAGATCCTGTCTATATAAA
ATTTCTTCCTTTGAGCAGGTTGAAAAGTAAAAGCCATGTTTGATTATGGGGTGTGATGAGGTCCCAGAG
GAGCAGAGATGCCACGGAGAAGCTGGGACTCAGAGTTGTGTCCCAGGTGGCAGGCAATCTCCTCTCCC
CCAGCACAGGCCCAAGACCAACAGAGCCCTCCCAGGCGCAAGTGAAGACCGAAACTCTTGGGCGAG
AGGAGGGGGATTGTGGCAGGGGTTTCGTCTGTCAATTCTGTTCTATTTTGTGCCACATTCACGTTTTCT
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GACACGCTATTAATAGAAAAGTTGGCATACTTTTCTCCTAGCAGCAGTACTCATGTGAATCTGCTGCCA
TCGTGAGGATGTGGAGAGCTCTTTGTAAGCTTTGACTGACCTGGCATCTGCACTGTTCTTGGCGAAGTG
CTGTTTTCTAATGACTCTGTGCTTGGTCACTTTCTCACCAGTCTCCCAACGAGCGTGCCCGCTTGTACT
TCCTGCTGGCCTGGTTTCATGCGATCATCCAAGACGCTTACGATACGCACCACTGGGGTGGTCAAGAA
GTATGAATTTGGAGAGTCTGACCTGCGGTGAGTTCAGTACGGTGGACAGTGGCTGGATGACACGGCC
AAGGCAAGTGTGGCCATGCCAGGACAGACAGTGGACGTGTATCTGGGAAGGATGCTGCAGGGCGTGGTG
CTGAGAGGCCAGACTCTGCGTGGAGAGCGAGCTGACCCCTCGTGACCGCAAAGCCTAGCTGGCCATGG
GGAGTGAGGAGGAAAGCTGTGCCCTCGAAAGGAAGCCCCGGGCTGCCCGCCTTGACCACACACACGA
ACCCTGCTTTTCTCCCCAGGGCAGGCAGAACATCTACCGGATAAGATCCCCTGGTCTGCACTAAAGA
CCTTAATGGCCCAGTCCATTTATGGCGGGCGCTGGACAACGAGTTTGACCAGCGTCTGCTCAACACCTT
CCTGGAGCGCCTGTTTACAACCAGGAGTTTCAGCAGTGAGTTTAAAGCTGGCATGCAAGTCGACGGACAT
AAAGACATTCAAATGCCAGATGGCATCAGGTATGCTGCTGCTGGAATGGAGACAGTTGTGATGTCA
GGGCGTCTGGTGTCACTCAGAGGTGACCCCTGACATCATTTTCAAATGCACTGGTTTTCTAGGCGAGAGG
AGTTTGTGCAGTGGTGGAGTTGCTCCCGACACCCAGACGCCCTCCTGGCTGGGCTGCCCAACAACGC
CGAGAGAGTCTCCTTACCACACAGGGTAGGCAACAAGGATCCTCCCACACGCAGGGTGGTGGCGAGG
GTCCCCTCACGCGGGTGGTGGCGAGGGTCCCCACACGCAGGGTGAAGTGTGCACTGCTGTCCAGGGCC
CTCCCTGGTTATGCTGGGTGGCTCTGTCAGCCTCGGCCTTCTGCCAGTCTCCAGCTGCTCCTAGCTC
CACTCCGAGGGGAGGCAGAGGAAAGAACTGGCTCTTCTGTCAGCATCAACTCAGTTCTAGAGAAAAGGC
TTGATATTTATGTAATGAGCCTAGAAATAACATTTAGATGTTTCATCTCATATTGAAAAGCAGTTACTGG
CTGGGCACACTGGCTCACACCTATAATCCCAGCACTTTGGGAGGCCAAGGCGGGCAGATCACTCGAGGTT
AGGATTTCCAGACCAGCCTGGTCAACATGGCAAAACCTCGTCTCTACTAAAAATACAAAAATTAGGTGAG
CATGGTGGCAGGCACCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATTATTTGAACCCGGGAG
ATGGAGGTTGCAGTGAGCCGAGATCACATCACTTACTCTAGCCTGGGCAACAGAGTGAGACTCTGTCTC

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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for AK096165 unedited GTTGCACCATTAGTATACGATTTACTATTAGGGCGGCCGCGAATTCGCACGAGGGGACAA CATAGTGAGATCCTGTCTCTATATAAAATTTCTTCTTTGAGCAGGTTGAAAAGTAAAA GCCATGTTTGATTATGGGGTGTGATGAGGTCCCAGAGGAGCAGAGATGCCACGGAGAAG CTGGGACTCAGAGTTGTGTCCCCAGGTGGCAGGCAATCTCCTCTCCCCAGCACAGGCC CCAAGACCAAACAGAGCCCTCCCAGGCGCAAGTGAAGACCGAAACTCTTGGGCGAGAGG AGGGGGATTGTGGCAGGGGTTTCGTTCTGTCAATTCTGTTCTATTTTGTGCCACATTAC GTTTTCTGACATTCTTAGAACTCTGTCTTCTCTAGATTTCTTACTGGCTGAATAAATTC TGATGGTCTCATTGGATGACACGTCTATTAATAGAAAAGTTGGCATACTTTTCTCTAGC AGCAGTACTCATGTGAATCTGCTGCCATCGTCAGGATGTGGAGAGCTCTTTGTAAAGCTT TGACTGACCTGGCATCTGCACTGTTCTTGGCGAAGTGCTGTTTTCTAATGACTCTGTGCT TGGTCACTTTCTCACCAGTCTCCAACGAGCGTGCCCGTTGTACTTCTGCTGGCCTG GTTTCATGCGATCATCCAAGAACGCTTACGATACGCACCACTGGGGTGGTCAAAGAAGTA TGAATTTGGAGAGTCTGACCTGCGGTGAGCTTGGGATACGGTGGACACGTGGCTGGGATG ACACGCCAANGCAAGTGTGGGCCATTGCCAGACAGACAGTGGACGTGTATCTGGNAAAGA TGCTGCCAGGCGTTGTGCTGAAAGCCANACTCTGCGTGAAGACGAGCTGACCCTCGTGT ACGCCAAGCCTACTTGCCTGGGAGTGAGGAGAAGCTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AK096165
<b>Insert Size:</b>	2200 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">AK096165.1</a>
<b>RefSeq Size:</b>	2170 bp
<b>RefSeq ORF:</b>	2170 bp
<b>Locus ID:</b>	1778
<b>Cytogenetics:</b>	14q32.31
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:**

Dyneins are a group of microtubule-activated ATPases that function as molecular motors. They are divided into two subgroups of axonemal and cytoplasmic dyneins. The cytoplasmic dyneins function in intracellular motility, including retrograde axonal transport, protein sorting, organelle movement, and spindle dynamics. Molecules of conventional cytoplasmic dynein are comprised of 2 heavy chain polypeptides and a number of intermediate and light chains. This gene encodes a member of the cytoplasmic dynein heavy chain family. [provided by RefSeq, Oct 2008]