

Product datasheet for **SC123114**

Dynein (DYNLL2) (NM_080677) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dynein (DYNLL2) (NM_080677) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dynein
Synonyms:	Dlc2; DNCL1B; RSPH22
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_080677 edited GCTGTGAGGCGCCAGTGC GGAGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGAGGCGGA GCGCGGGCGGCCGCGAACTCCAAGGGCGGACCGCGGCAGGGAGCGATCGGCCTCGGGC TGCGGGAGCCGGAGACCGCGCGCGCGGCTGCTGCAGCTGCAGGAGGCCAGGGAA CACCGCCCTGCCTGTGCTCTGCCTCGGGCCATCGCTCCTCCCCAGGGCCAGTGC GGAC TCGCCTCCGTGAAGTGTCACACCATGTCTGACCGGAAGGCAGTGATCAAGAACGCAGACA TGTCTGAGGACATGCAACAGGATGCCGTTGACTGCGCCACGCAGGCCATGGAGAAGTACA ATATAGAGAAGGACATTGCTGCCTATATCAAGAAGGAATTTGACAAGAAATATAACCCTA CCTGGCATTGTATCGTGGGCCGAAATTTGGCAGCTACGTCACACACGAGACAAAGCACT TCATCTATTTTTACTTGGGTCAAGTTGCAATCCTCCTCTTCAAGTCAGGCTAGGTGGCCA TGGTGAAGGTGTCAGTGGCGGCGCAGCGATGGCAAGCAGCGGGCTTGCTGGGACTGTT TTGCACTGGAGCCAGCATCAGGATGTCCTCTCCAATGGCTGTGCTACTGCATGGACTGTA TACTCGATTTTCATGTGTATGTGCGCAGTAAACAAAACCAAACCTCAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_080677 unedited</p> <pre>GTCAGCTTTTGGTATACGACTCACTATAGGGCGGCCGCGATTCCCGGGAATCGTCGACCC ACGCGTCCGGCTGTGAGGCGCCAGTGCGGAGCGGGCGGGCGGGCGGGCGGGCGGGCG CGAGGCGGAGCGCGGGCGGCCGGCGAACTCCAAGGGCGGACCGCGGCAGGGAGCGATCG GCCTCGGGCTGCGGGAGCCGGAGACCGCGGCGGGCGGGCTGTGAGCTGCAGGAGGAG CCCAGGGAACACCGCCCCTGCCTGTGCTCTGCCTCGGGCCATCGCTCCTCCCAGGGCCC AGTGGGACTCGCCTCCGTGAAGTGTACACCATGTCTGACCGGAAGGCAGTGATCAAGA ACGCAGACATGTCTGAGGACATGCAACAGGATGCCGTTGACTGCGCCACGCAGGCCATGG AGAAGTACAATATAGAGAAGGACATTGCTGCCTATATCAAGAAGGAATTTGACAAGAAAT ATAACCTACCTGGCATTGTATCGTGGGCCGAAATTTTGGCAGCTACGTACACACGAGA CAAAGCACTTCATCTATTTTACTTGGGTCAAGTTGCAATCCTCCTTTCAAGTCAGGCT ANGTGGCCATGGTGAAGGTGTCAGTGGCGGCGGCAGCGATGGCAAGCAGGCGGCGTTGCT GGGACTGTTNTGCACTGGAGCCAGCATCAAGATGTCCTCNTCAATGGCTGTGCTACTGCA TGGACTGTATACTCGATTTTCATGTGTATGTCGCAGTANACAAAACCAACCTCAAAAAA AAAAAAAAAAAAAAAAAAGGGCGGCCCGTCATAGCTGTTTCTGGACAGATCCCCG GGTGGGCATCCCTGTGGACCCCTCCCAATGCCCTCCTGCCCTGGGAGTTGGCCACTC AGTGCCACCAGCCTTGCCCTATAAATTAATTGC</pre>
Restriction Sites:	Please inquire
ACCN:	NM_080677
Insert Size:	735 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).
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:	<ol style="list-style-type: none"> 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_080677.1 , NP_542408.1
RefSeq Size:	735 bp
RefSeq ORF:	270 bp
Locus ID:	140735
UniProt ID:	Q96FJ2
Cytogenetics:	17q22

Gene Summary:

Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. May play a role in changing or maintaining the spatial distribution of cytoskeletal structures (By similarity).
[UniProtKB/Swiss-Prot Function]