

Product datasheet for **SC100811**

DYNLT2B (NM_152773) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DYNLT2B (NM_152773) Human Untagged Clone
Tag:	Tag Free
Symbol:	DYNLT2B
Synonyms:	SRTD17; TCTEX1D2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152773, the custom clone sequence may differ by one or more nucleotides

ATGGCCACGTCCATCGGAGTGCTCTTCGGTGGGCGACGGGTGCCTGAGGCTGAGAAGAACGCAGGGG
 AGCCCGAGAACACCTATATTCTGCGCCTGTTTTCCAGCAGAGGTTGAGGCCCTCTGTGGTTAAAGACTG
 TATCCATGCTGTGCTCAAGGAGGAAGTGGCAAATGCTGAATATTCTCCAGAAGAAATGCCTCAGCTTACA
 AAACATTTATCAGAAAACATTAAAGATAAATTTAAAGAAATGGGATTTGACCGATACAAAATGGTGGTGC
 AAGTAGTGATTGGAGAACAAAGAGGTGAAGGAGTATTCATGGCTTCTCGCTGTTTCTGGGATGCTGACAC
 TGACAACTATACTCATGATGTTTTTCATGAATGACAGTTTATTCTGCGTTGTAGCAGCATTTGGCTGTTTC
 TACTACTGA


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152773 unedited <pre> TTCAAAATTTGTAATACGACTCACTATAGGGCGGCCGCGCTGCTGCCGGCCGCGACCGCA ACCCGCTAGGCCTTCATCGCGAGCTACGCCCCGACCGAGAAGCCCCGGCATGGCCACGTC CATCGGAGTGTCTTCTCGGTGGGCGACGGGTGCCTGAGGCTGAGAAGAACGCAGGGGA GCCCCGAGAACACCTATATTCTGCGGCCTGTTTTCCAGCAGAGGTTTCAGGCCCTCTGTGGT TAAAGACTGTATCCATGCTGTGCTCAAGGAGGAAGTGGCAAATGCTGAATATTCTCCAGA AGAAATGCCTCAGCTTACAAAACATTTATCAGAAAACATTAAAGATAAATTTAAAGAAAT GGGATTTGACCGATACAAAATGGTGGTGCAAGTAGTGATTGGAGAACAAAGAGGTGAAGG AGTATTTTAAAGAAGATGGATGCACAGTGTTTCAGCCAAGGTCAATGCAAGGAAGAGGAG AAAAGAGGCGCCCGACCCAACGGGGCAACAGAAGAAGATGGGGTTCTTCCAAAGTGCA GCGCTGTGCAGTGGGCTTACGGCAACCAGCTCCTTTTTCTGATGAAATTGAAGTTGACTT TAGTAAGCCCTATGTCAGGGTAAGTATGGAAGAAGCCAGCAGAGGAAGTCTTGTGAGCG ACCTGTGAGAGTTTATGCCGATGGAATATTTGACTTATTTCACTCTGGTCACGCCCGAGC TCTGATGCAAGCGAAGAACCTTTTCCCTAATACGTACCTATTGNTGGGAGTTTGCAGTG ATGAGCTCACACACAACCTTCAAAGGCTTCACGGTGATGAACGAGAATGAGCGCTATGACG CAGTCCAGCACTGCCGCTACNTGNATGAAGTGGGTGAGGAAATGCGCCTGNACGCTGACA ACCGAGTTNCTGGGCCGACACCGNATNNGATNTGTAGNCCATGATGATATTCTCTATTCA TCTGCTGCANGGA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_152773
Insert Size:	2550 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:	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_152773.2</u> , <u>NP_689986.1</u>
RefSeq Size:	672 bp
RefSeq ORF:	429 bp
Locus ID:	255758
UniProt ID:	<u>Q8WW35</u>
Cytogenetics:	3q29
Domains:	Tctex-1

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 subunit of the human cytoplasmic dynein-2 complex. Mutations in this gene are associated with short-rib thoracic dysplasia 17 with or without polydactyly. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2017]