

Product datasheet for **SC116013**

DYNLT3 (NM_006520) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DYNLT3 (NM_006520) Human Untagged Clone
Tag:	Tag Free
Symbol:	DYNLT3
Synonyms:	RP3; TCTE1L; TCTEX1L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116013 sequence for NM_006520 edited (data generated by NextGen Sequencing) ATGGAGGAGTACCATCGCCACTGCGACGAGGTTGGCTTCAATGCTGAGGAAGCCCAAT ATTGTCAAAGAGTGTGTAGATGGGGTTTTAGGTGGTGAAGATTATAATCACAACAACATC AACCAGTGGACTGCAAGCATAGTGAACAATCCTTAACACACCTGGTTAAGTTGGGAAAA GCTTATAAATATATTGTGACCTGTGCAGTGGTCCAGAAGAGCGCATATGGCTTTCACACA GCCAGCTCCTGTTTTGGGATACCACATCTGATGGAACCTGTACCGTAAGATGGGAGAAC CGGACCATGAACTGTATTGTCAACGTTTTGCCATTGCTATTGTTCTTTAA Clone variation with respect to NM_006520.2 183 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006520 unedited
TCAACATTTGTATACGACTCACTATAGGGCGGCCGCAATTCGCACGAGGGAGAGCCGGC
GCTACCATGGAGGAGTACCATCGCCACTGCGACGAGGTTGGCTTCAATGCTGAGGAAGCC
CACAATATTGTCAAAGAGTGTGTAGATGGGGTTTTAGGTGGTGAAGATTATAATCACAAC
AACATCAACCAGTGGACTGCAAGCATAGTGAACAATCCTTAACACACCTGGTTAAGTTG
GGAAAAGCTTATAAATATATTGTGACCTGTGCAGTGGTCCAGAAGAGCGCATATGGCTTT
CACACAGCCAGCTCCTGTTTTGGGATACCACATCTGATGGAACCTGTACCGTAAGATGG
GAGAACCAGGACCATGAACTGTATTGTCAACGTTTTTGGCATTGCTATTGTTCTTTAACTG
ACTAAAAATGTTGGGCTAAAGCCATTAACCTTAAGAATTTGTCAGTGTATCCTTTCCAAAA
AGAGTAATAGTTGTTTACTAGTGTGCTAGATGAAAAGCGTGCAATATGCTTTAAAGCTAT
CAACAAAACTGAATATTATAAGCAAGCAATATCATAGTAATTGGCAGATTAGCTCATAT
TCTATACAGCATCGTTTTAAATAGGAAAAATTTAATGCTAGCAAAAAATAAATTTAGAAAT
ATGGCATGACATGAAAAACAATCTTATATTTACACCAGCTNTTCACTAATATTTGTAC
CTAAGGTGATGGGAACTCCATTGAGATNATAAAATTTCTTTTCAGCTANGAGAGTTAAC
AGGAATAAATATATGAACAAAAAGCTGCAGGGATAAATGTGGAGAANATGATGAGAATT
AGCTACATNTTTAAGTNTTTAAACTTTCTTCCCTCATTNAGTTGTACTTTATATTAGN
GGGAAGNNATAATTTTTAATTTTCTATCACTAATAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006520 unedited
GACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAC
AGCACAGGGAAGATAATATTTATTATCATTTTAACTAAAAACAGAGCAGATAGCAAGTTC
ACCAGGTAATAATTTTTTTCTTAAATTATGCTTAAACAACAATAAAAAACAAGTCT
GCATGTATATTTTGGTCACTATTATGATCTTCCAGGGCACAAAAGCCAGCAGCATAAAGA
AACATGAATAATGACTGAAAATTTTGTGTGCCAAAAACAAGATCACTGCATTAAGT
CCTTTATTTTGTAAATATTATTCTTAAACATTGAACAATTATAATTATTGTTATTTGGC
AAAATATCAAAACATGCACATAGTATTCCTACAAAAATATTGCCTTAATATTGTCAATATT
AACGCTAAGCTTATTCCTCTCCTAAATCAATGAGTTATGGTTCGCTCTCTATATGTAT
TAGGGTTAGGGTAATATGCAAACTGATTTTGTTTTCAGGGTTAAGTAGCAGATTGACT
TCCCATTTGGTGGCCAGCTGTGTACCCTAATTTTCATCTATTTTCTTAATAAATTTAAT
ATCCACTCAATTTGAACCCACATAATAAGCCCTTAAAGTTATTTACAGATGGGTTGAA
CTAAAGCATTGACAAAATTAAGTCACTGTATAGGTAAAACGAAATAAGCCTTTAACTAAG
AGGGCTTATTTATATGCACTTTTAACTTGGTAGAAACACTTTTAAATTCATCTTTATTT
GGCAAAAACAATAAGGCTTTCAATTGCCTACCCCAAGGGTAACACAATCACTTTTCTCC
CTTGAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_006520

Insert Size:

2190 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: [NM_006520.1](#), [NP_006511.1](#)

RefSeq Size: 2156 bp

RefSeq ORF: 351 bp

Locus ID: 6990

UniProt ID: [P51808](#)

Cytogenetics: Xp11.4

Domains: Tctex-1

Gene Summary: This gene encodes a member of a subclass of dynein light chains. The encoded protein homodimerizes and forms the light chain component of the cytoplasmic dynein motor protein complex. This protein may be important for binding dynein to specific cargos including the spindle checkpoint protein BUB3. This protein may also function independently of dynein as a transcriptional modulator. Pseudogenes of this gene are found on chromosomes 2 and 20.[provided by RefSeq, Mar 2010]