

Product datasheet for SC123251

TERB2 (NM_152448) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TERB2 (NM_152448) Human Untagged Clone
Tag:	Tag Free
Symbol:	TERB2
Synonyms:	C15orf43
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_152448 edited

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ACTGGCTTGGCGACGCCATGTTTCAAGGGCAGCGCGTTGGTTTTGCGGCAGCGTTAGCC
AGGATCTGAGGCAATTCTGGGTGGCTGAAGGGGGAACGATCAGTGACCCGCGAGCCGCCG
ACTTCTTGTTTCAGCTGTGATGCCTCGCACCCAGACACGCTGAGAATATATCAGAGCCTTG
ATTACATAGAAGATAATGCTACAGTTTTTCATGCCTACTATCTCTCTGCGGTAGCTAATG
CCAAAATAAAAACTCGGTGGCTTTGGGTCAATTCATTCTTCTCCTGCGTGCCTGCAAA
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TTGTAGAAAAGCAGATGTAATCTCCTCTACAGAATTACCCAGTTAACAACATGGTAACAG
GTTATATATCAATTGATGCCATGAAGAAATTCCTTGGGGAGCTACATGACTTCATTCCTG
GAACCTCAGGATATTTGGCATATCATGTTCAAAATGAAATTAATATGTCTGCTATAAAAA
ACAAATTGAAGAGGAAATAGTAAATTAATTTGTAATACCTTGGCATTATTTTCTATAA
AATATTATACAGATGTGCATATCATAAAATGCTCCCTTTTGGTACTGGGGGATAGTGAAA
TGGGAAAATAATTTTCTGTTTCTCAAAGTATATCTTTAGGAAATACAGAAATCATTTTGGT
TCTGTGTTTTGACATTTTCCCTAGCTTATAACAACATGTTCAAATATTCTCAATGCAC
AGTTGTTAATGAGTAATTGCCGTTAAAAATATTTTCATAAGAAGTCTCAATCTCAAATCT
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TCTCCTCCCTTCTCTCTTTCTGCTTTTCAAATGTTCTTTTGGCTTTAACATTCTATTAA
TTATATTTTTTCTAGATTGAATACTGTGAATGCTAAGTTTTATTAACTGGTCATCTTAT
TTTGATTTTAAAAATTAGGATGCTAGTTGCATTCTGAATTACTGTTTCTGGTTTGAAACA
TGGAGAAAAACATTTTAAATAATTCATATTTGATGTTGGATGGTTTCTAATAATAAATATC
TCAAAAGTGACTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAG
GAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152448 unedited NACGTTGGCATTGTATACGATTATATAGGCGGCCGCATAAAGCTTCGTATAGCATACATTA TACGAAGTTATGGATCAAGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGACTGGCT TGGCGACGCCATGTTTCAAGGGCAGCGCGGTTGGTTTTGCGGCAGCGTTAGCCAGGATCT GAGGCAATTCTGGGTGGCTGAAGGGGAACGATCAGTGACCCGCGAGCCGCCGACTTCTT GTTTCAGCTGTGATGCCTCGCACCCAGACACGCTGAGAATATATCAGAGCCTTGATTACAT AGAAGATAATGCTACAGTTTTTCATGCCTACTATCTCTCTGCGGTAGCTAATGCCAAAT AAAAAACTCGGTGGCTTTGGGTCATTTCACTTCTCCTCCTGCGTGCCTGCGAAAAAGAAAT AAGAAGAAAAATTGGTAGTTTTATTTGGGAACAAGACCAACATTTTCTGATAGAAAAGCA TGATGAAGTAACACCAAATGAAATAAAGACCTTATGGAAAACAGTGAAGTAGCAACAGA GCACAAAAAGAATTATCCAAAAGCCAGATAAGCATTATATAAGAACTCCAGTTGTAGA AAAGCAGATGTAATCTCCTCTACAGAATTACCCAGTTAACAACATGGTAACAGGTTATAT ATCAATTGATGCCATGAAGAAATCTTGGGGAGCTACATGACTTCATTCTGGAACCTCA GAATATTTGGCATATCATGTTCAAAATGAAATTAATATGTCTGTATAAAAACAAATTGA AGAGGAAATAGTAAATTAATTTGGAATACCCGNCCTTTTATCCCTATAAAATATTA TACAGATGTGCCTATCATAAAATGCTCCCTTTGGACTGGGGGAAAGGAAATGGGAAAAA TTTTTCTGGTTCTCAG
Restriction Sites:	Please inquire
ACCN:	NM_152448
Insert Size:	1337 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_152448.1</u> , <u>NP_689661.1</u>
RefSeq Size:	1337 bp
RefSeq ORF:	663 bp
Locus ID:	145645
UniProt ID:	<u>Q8NHR7</u>
Cytogenetics:	15q21.1

Gene Summary:

Meiosis-specific telomere-associated protein involved in meiotic telomere attachment to the nucleus inner membrane, a crucial step for homologous pairing and synapsis. Component of the MAJIN-TERB1-TERB2 complex, which promotes telomere cap exchange by mediating attachment of telomeric DNA to the inner nuclear membrane and replacement of the protective cap of telomeric chromosomes: in early meiosis, the MAJIN-TERB1-TERB2 complex associates with telomeric DNA and the shelterin/telosome complex. During prophase, the complex matures and promotes release of the shelterin/telosome complex from telomeric DNA.[UniProtKB/Swiss-Prot Function]