

Product datasheet for MC211527

Terb2 (NM_028914) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Terb2 (NM_028914) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Terb2
Synonyms:	4933406J08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211527 representing NM_028914 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTCCAGGGGCAGCGTGGTTGGTTCTGCGGCAGTGTCAGTCAGGACCTGAGGCAAATCTGGGAGGACG
AAGGCGGGATGGTCAGCGACGTGAAGGCCGCCGACTTCCTGTTTAGCTGTGATGCCTCGCACCTGACAC
GCTGAGAATATATCAGAGCCTCGAGTACATAGAAGATAATGCTACAGTTTTTCATGCCTACTATCTTGCT
GCAATAGCTAATACTGAAATGAAAAATTCAGTGGCCTTAGGCCATTTTGTCTTCCTCCTGCATGTCTGC
AAAAAGAAATACGAAGAAAAATTTGGTAGTTTTATTTGGGAACAAGATGAAAAATTCAGATAGAAAAGCA
TGACAGAATGGCATCAAGTGATAAGGAGAACATTAGACCAACACCAGAACACAAACAAGAACTGTCCAAA
AGTGACAGAGCATCATCTCACAAGGACTCCGGTTATAGAGAAGCAGATGTGCTTCCCGCTCCATAGTTATC
CAGTGAACAACATGGTGACAGGCTATATCAATTGATGCCTTGGAGAAATTCCTTGGAGAAATTACATGA
CTTCACTCCTGGTAGCTCAGGATATTTGGCATATCATATTCAAGATGAAATTAATATGTCTGCTATAAAA
AACAAATTAAGAAGGAACTAAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_028914
Insert Size:	657 bp



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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_028914.1 , NP_083190.1
RefSeq Size:	2111 bp
RefSeq ORF:	657 bp
Locus ID:	74401
UniProt ID:	Q9D494
Cytogenetics:	2 E5
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]