

Product datasheet for **SC309626**

TREX2 (NM_080701) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TREX2 (NM_080701) Human Untagged Clone
Tag:	Tag Free
Symbol:	TREX2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_080701 edited

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TGGCCTACGCCAAAGCACAGGATGGGGCGGGCAGGAAGCCCTCTCCCAAGATCGAGTTGG  
CCGAGGATGGATGATTGTGGCAGCAGAAGCCGTTGCAGCCCCACGTTGTGCTCTAGTAGG  
TGACAGGAGTGGGGCTGACGCTCCCAGAGCCAAAGGTCACAGTTTGAGGACTTGCTATCC  
CCGTGGGAACATCACCATGTCCGAGGCACCCCGGGCCGAGACCTTTGTCTTCTGGACCT  
GGAAGCCACTGGGCTCCCCAGTGTGGAGCCCGAGATTGCCGAGCTGTCCCTCTTTGCTGT  
CCACCGCTCCTCCCTGGAGAACCCGGAGCACGACGAGTCTGGTGCCTAGTATTGCCCGG  
GGTCTGGACAAGCTCACGCTGTGCATGTGCCCGAGCGCCCTTCACTGCCAAGGCCAG  
CGAGATCACCGGCCTGAGCAGTGAGGGCCTGGCGCGATGCCGGAAGGCTGGCTTTGATGG  
CGCCGTGGTGGGACGCTGCAGGCCTTCTGAGCCGCCAGGCAGGGCCCATCTGCCTTGT  
GGCCACAATGGCTTTGATTATGATTTCCCTGCTGTGTGCCGAGCTGCGGCGCCTGGG  
TGCCCGCCTGCCCGGGACACTGTCTGCCTGGACACGCTGCCGGCCTGCGGGGCCTGGA  
CCGCGCCACAGCCACGGCACCCGGGCCGGGGCCGCGCCAGGGTTACAGCCTCGGCAGCCT  
CTTCCACCGCTACTTCCGGGCAGAGCCAAGCGCAGCCCACTCAGCCGAGGGCGACGTGCA  
CACCTGCTCCTGATCTTCTGCACCGCGCCGAGAGCTGCTCGCCTGGGCCGATGAGCA  
GGCCCGTGGTGGGCCACATCGAGCCCATGTACTTGCCGCTGATGACCCAGCCTGGA  
GGCCTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_080701 unedited</p> <pre>GTACANCAATTTGTAATACGACTNCACTATAGGGCGGCCGCGATTANATCTGGTACCGAG CTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGCCTTTGGCCTACGCCAAA GCACAGGATGGGGCGGGCAGGAAGCCCTCTCCAAGATCGAGTTGGCCGAGGATGGATGA TTGTGGCAGCAGAAGCCGTTGCAGCCCCACGTTGTGCTCTAGTAGGTGACAGGAGTGGGG CTGACGCTCCCAGAGCCAAAGGTCACAGTTTGAGGACTTGCTATCCCCGTGGGAACATCA CCATGTCGGAGGCACCCCGGGCCGAGACCTTTGCTTTCCTGGACCTGGAAGCCACTGGGC TCCCCAGTGTGGAGCCCGAGATTGCCGAGCTGTCCTCTTTGCTGTCCACCGCTCCTCCC TGGAGAACCCGGAGCAGCAGAGTCTGGTGCCCTAGTATTGCCCCGGGTCTGGACAAGC TCACGCTGTGCATGTGCCCGGAGCGCCCTTCACTGCCAAGGCCAGCGAGATCACCGGCC TGAGCAGTGAGGGCTGGCGGATGCCGGAAGGCTGGCTTTGATGGCGCCGTGGTGCGGA CGCTGCAGGCCTTCTGAGCCGCCAGGCAGGGCCATCTGCCTTGTGGCCACAATGGCT TTGATTATGATTTCCCCCTGCTGTGTGCCGAGCTGCGGCGCTGGGTGCCCGCTGCCCC GGGACACTGTCTGCTGGACACGCTGCCGGCCCTGCGGNGCCTGGACCGGCCACAGCC ACGGCACCCGGGCGGGGCCCGCCAGGTTACAGCCTCGGCAGCCTCTTCCACCGCTACT TNCGGGCAGAGCAAGCGCAGCCACTCAGCCGAGGGCGACGTGCACACCCTGCTNCTGATC CTCCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_080701 unedited</p> <pre>TATCGGAGATGGCAACTTCCCAGGTCCAGGGANAGCACTGGGGCAGGGTCACAGGGATGC CACCCGGGATCTGTTTCAAGAAACAGCTATGACCGCGGCCCAATCTAGAGTCGAGCGGCC GCCAGTGTGATGGATATCTGCAGAATTCGCCCTTTCAGGCCTCCAGGCTGGGGTCATCAG GCGGCAAGTACATGGGCTCGATGTGGGCCACCCACGGCCTGCTCATCGGCCAGGCGA GCAGCTTGCGGCGCGGTGCAGGAAGATCAGGAGCAGGGTGTGCACGTGCGCCCTCGGCT AGTGGGCTGCGCTTGGCTTGCCTGCCCCGGAAGTAGCGGTGGAAGAGGCTGCCGAGGCTA CCTGGCGGCCCGGGCCCGGGTGCCTGGCTGTGGGCGCGGTCCAGGCCCGCAGGGCCG GCAGCGTGTCCAGGCAGACAGTGTCCCAGGGCAGGCGGGCACCCAGGCGCCGAGCTCGG CACACAGCAGGGGAAATCATAATCAAAGCCATTGTGGGCCACAAGGCAGATGGGCCCTG CCTGGCGGCTCANGAAGGCTGCAGCGTCCGCACCAGGCGCCATCAAAGCCAGCCTTCC GGCATCGGCCAGGCCCTACTGCTCAGGCCGGTATCTCGTGGCCTTGGCAGTGAAGG NGCGCTCCGGGCACATGCACAGCGTGAGCTTGTCCAGNACCCGGGGCAATACTAGGGCAC CAGACTCGTCTGCTCCGGGTTTCCAGGGAGGAGCGGTGGACAGCAAAGAGGGACAGCT CGGCAATCTCGGCTTCACTGGGGAAGCCAGTGGCCTTCAAGTCCCAGGAAGACAAA GGCTCGGCCCGGGTGGCTCGGACATGGGGATGTTCCCAGGGGATAGCAAAGTCCCAA ACTGGGACCCTTGGGTTCTGGG</pre>
Restriction Sites:	Please inquire
ACCN:	NM_080701
Insert Size:	900 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_080701.3](#), [NP_542432.2](#)

RefSeq Size: 1255 bp

RefSeq ORF: 711 bp

Locus ID: 11219

UniProt ID: [Q9BQ50](#)

Cytogenetics: Xq28

Protein Families: Druggable Genome

Gene Summary: This gene encodes a nuclear protein with 3' to 5' exonuclease activity. The encoded protein participates in double-stranded DNA break repair, and may interact with DNA polymerase delta. [provided by RefSeq, Nov 2012]