

## Product datasheet for RC233702

### TREX1 (NM\_007248) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TREX1 (NM_007248) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TREX1
Synonyms:	AGS1; CRV; DRN3; HERNS; RVCLS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233702 representing NM_007248 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGACCCATCTTTTTCGACATGGAGGCCACTGGCTTGCCCTTCTCCAGCCCAAGGTCACGGAGC  
TGTGCCTGCTGGCTGTCCACAGATGTGCCCTGGAGAGCCCCCACCTCTCAGGGGCCACCTCCACAGT  
TCCTCCACCACCGCGTGTGGTAGACAAGCTCTCCCTGTGTGGCTCCGGGAAGGCTGCAGCCCTGCA  
GCCAGCGAGATCACAGGCTGAGCACAGCTGTGCTGCCAGCGCATGGCGTCAATGTTTTGATGACAACC  
TGGCCAACTGCTCCTAGCCTTCTGCGGCCAGCCACAGCCCTGGTGCCTGGTGGCACACAATGGTGA  
CCGCTACGACTTCCCCCTGCTCCAAGCAGAGCTGGCTATGCTGGGCCTCACCAAGTCTGGATGGTGC  
TTCTGTGTGGATAGCATCACTGCGCTGAAGGCCCTGGAGCGAGCAAGCAGCCCTCAGAACACGGCCAA  
GGAAGAGCTATAGCCTAGGCAGCATCTACACTCGCCTGTATGGGAGTCCCTCCAGACTCGCACACGGC  
TGAGGGTATGCTCCTGGCCCTGCTCAGCATCTGTGAGTGGAGACCACAGGCCCTGCTGCGGTGGTGGAT  
GCTCACGCCAGGCCTTTCGGCACCATCAGGCCATGTATGGGGTACAGCCTCTGCTAGGACCAAGCCAA  
GACCATCTGCTGTACAACCACTGCACACCTGGCCACAACCAGGAACACTAGTCCCAGCCTTGGAGAGAG  
CAGGGGTACCAAGGATCTTCTCCAGTGAAGACCCTGGAGCCCTATCCAGGGAGGGCTGCTGGCCCA  
CTGGGTCTGCTGGCCATCCTGACCTTGGCAGTAGCCACACTGTATGGACTATCCCTGGCCACACCTGGG  
AG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_007248.5](#)

**RefSeq Size:** 1647 bp

**RefSeq ORF:** 915 bp

**Locus ID:** 11277

**UniProt ID:** [Q9NSU2](#)

**Cytogenetics:** 3p21.31

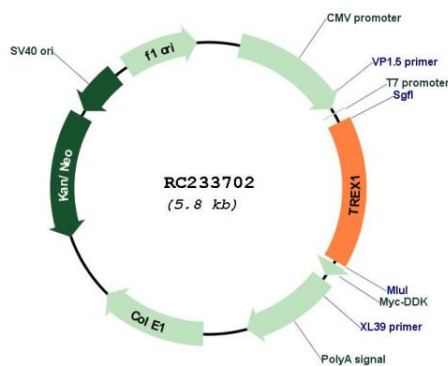
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cytosolic DNA-sensing pathway

**MW:** 32.7 kDa

**Gene Summary:** This gene encodes a nuclear protein with 3' exonuclease activity. The encoded protein may play a role in DNA repair and serve as a proofreading function for DNA polymerase. Mutations in this gene result in Aicardi-Goutieres syndrome, chilblain lupus, Cree encephalitis, and other diseases of the immune system. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2012]

## Product images:



Circular map for RC233702