

Product datasheet for MC223950

Trerf1 (NM_172622) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trerf1 (NM_172622) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trerf1
Synonyms:	9430096I18Rik; AI429294; B830015H24; RAPA; Trep-132; Trep132
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223950 representing NM_172622 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGGGGACCAGCAACTGTACAAGACCAATCACGTGGGCCACGGTGGTGAGAACCCTTTCTATCAACAGC
CACCCCTTGGTGTCCACAGTGGGCTGGGCCACAGCTATGGGAATAACAATCTCTGGGGCTGGGATGGACGC
CCCGCAGGCCCTACCCATCTCGCCTCACTCCCTCAAGATACTCGGGATGGTCTCGGCTTGCCATTGGC
TCCAAAAACCTTGCCAGATGGATACCTCCAGGCAGGGAGGATGGGAAGCCATGCAGGGCTGGGAACC
ACGTCCAGCTTCGTAGCAACTTGCCAACTCAAACATGATGTGGGGGACGCCACCCAGGTGGAGCCCGC
TGATGGCTACCAATACACTTATCCAGGCCAGCGAGATCCGGACCCAGAACTACCCAGTGGTGTTTTG
CACAAGCTGGACTCTTTACCCAGGTATTTGCCAACAAAACCTGCGGATTCAGGTCAACAATATGGCCC
AGGTGCTGCACACCCAATCAGCGGTGATGGATGGAGCCTCCGACAGTGCCTCCGTCAACTGCTGTCTCA
GAAGCCGTGGAGCCCTCAGCATCAGCTATAGCTTCCCGTACCAGCAGGTGCCCCAGCAGCCTCACCCCT
GGCTTACGGGTGGACTGCCAAACCAGCCCTCCAGTCGGGCAGCAGCTCCCCAAGGGCACCTGTATT
ATGACTACCAGCAGCCCTGGCCAGATGTCCATGCAAGGAGGACAGCCACTGCAAGCCCTCAGGTGCT
GTCCGGCCATATGCAACAATTGCAGCAGCACCAGTATTACCCACAGCCGCGCCCTCAGCAGCAGCAAGCC
GGACTGCAGCGGATCTCTGTGCAGGAGATGCAGCAGCAGCAGCCCGCAGCAAATTCGCCCTCACCC
CTCAGCAGCAGCAGCAGCTCCAGCTGCAGCAGCGCAGAGTTCACTGCAGATACCTCAGTATTATCAGCC
CCAACCCATGATGCAACACTTGCAAGAGCAGCAGCAGCCATCCATGCACCTGCAGCCACCCTCATACCAC
AGGGACCCTCATCAGTATACCCCGGAGCAGGCACACGCTGTCCAGCTGATCCAGCTGGGCTCATGCCCC
AGTATTACTATCAGGAGCCTCAACAGGCCTATAGCCACCCCTCTACCCGAGAGCCACCTGTCCCAGCA
CCAGCAGCGTGAAGACGGTCAGCTGAAGACATATTCTAGTACAGACAGACCCCGGCTATGCTGAGCTCC
CATGGGGACATGGGAACCTCTGATACAGGAGTGGCAGATCCAGCCAGCTCAGAAATGACTCGGGTCTACTA
GTACTTCTCCTACCAACCGCTCCTGTCCCCAGTGGGATCCACCTCAACAACATGGGGTCTCAGCATCA
ACAGCCGCATCTCCAGTGCATGTGGCCCCAGATGCACCTACCTGATGGGAGAGCCAGTCCGGATCC



CCGGAATCAAGCAGCGGCCAAACCAAAGGAGTGTGGGGAACAGTTTGTATGCCAAGAACAAGCTGACAT
 GCTCCATCTGCCTGAAGGAGTTCAAAGCCTGCCCGCCCTGAACGGCCACATGCGGTCCCACGGGGGAT
 GAGGGCGTCCCCCAGCCTCAAACAGGAGGAAGGAGAGAAGGCCCCACCGCCTCAGCCTCAGCCCCAGCCT
 CAGCCCCAGCAGCCTGCCACCTCCGCTCCTCCGCCCGGCCACCGCAGCTCCCTCCTGAGGCAGAGC
 GCCTCACGCCTATGGTCATGCCCGTGTCTGTCCCTGTCAAGCTAATCCCACCAAGCCAGCTCTCAGGG
 GTTCACCAACAGCGTCGCTGCCACCCCGCGCCAGAGACAAGCCAGCCAGCTCGATGTCGGACGACGAG
 ATGCCTGTGCTCGAAATCCCCGGAAACATCCACCTATCGCCGCCAAAGTTGAGGAGCCCTCAAGAACC
 TACCAGAGAAGAAGAAATCCGGCACCGCCTGAGCCCTCTTCATCCCACCACCGCCTTCGTCTATAC
 TCCCAACCCACCTTTACTCGGGGGCCACCCTGTACCAGAGCCAGCTGCGCTCCCCGGAATCCTCGGG
 GACCACCTGCTCCTGGACCCCGCCACGAACCTGCCCCCTACACGCCGCCACCCATGCTGAGCCCTGTGC
 GCCAGGGCTCAGGGCTTTCAGCAATGTCTCATCTGTGCCACGGCCCTGGAGTGCACCCCCAGCTGCC
 CCTCACTCCCCTCAGGCCACGCCACGTGTGCTGTGCGTTCAGCAGCATCGATGGCAGCAATGTG
 ACAGTCACCCAGGACCTGGAGAGCAGACTGTGGATGTTGAACCACGCATCAACATTGGCTTAAGGTTCC
 AAGCAGAGATCCAGAAGTGAAGACGTCTCCGCCCTGGCTCAGGACACACAGGGCCACACTGGTATG
 GAAGCCGTGGCCTGAGCTGGAAAACAGGCCCTCCAGCAGCAAGTGGAGAATCTTCTGAATTTGTGTGT
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 ACGTGATGGCTACCCTGGAAATGCTGCTGCTGCGGAAGCCAGTCAGGTTAAAATGTCATCCTTTAGCAAA
 TTACCACTACGCCGTTCTGACAAGTGGACATCCCTAGAAAAGAAAAGTGTAAATAAAGCATTGGCCACT
 TACAGCAAAGACTTTATTTTTGTACAGAAGATGGTGAAGTCCAAGACAGTGGCTCAGTGCCTGGAGTACT
 ACTACACTTGAAGAAGATAATGCGACTAGGCCGAAACACCGGACACGCTGGCGGAAATCATTGACGA
 CTGCATGACCAGCGAAGAGGAAGAGGAGGCCGAGGAGGAAGAAGAGGACCCAGAAGAAGTAGGAAATCC
 AAAAAAGAAGAGGAGAGTGAAGTGGCCAAGTCTCCAGAGCCACCGCCTGCCCTGCCCTGCCCTCCACTG
 AGGGCCACCCATGCAGGCTGTTGGCCAACAACCATCAGGCAACTTCATTTGTGAATGCCCAACTGTGG
 GGCTGTGTTGAGTCCCGACAGGCACTGAACGGTACGCCCGCATCCACGGCGGCCACCAACCAGGTGGCT
 AAGACCCGAGGTGCCATCCCCTCTGGGAAGCAGAAGCCAGGTGGCACCCAGAGTGGTACTGCTCAGTGA
 AGAGTTACCATCTCACAGTACCACAGTGGAGAGACGGACCCACCACCATCTCCCCTGCAAGGAGTG
 TGGCAAGGTCTTTAAGATCAAAGCCGGAATGCGCACATGAAAACCCACCGGAGCAAGAGGAGCAG
 CAGAGGCAGAAGGCTCAGAAGGCAGCCTTCGCAGCAGAAATGGCAGCCACCATCGAGAGGACTACGGGGC
 CGGTGGGGCGCCGAGCTGCTGCCCTGGACCAACTGAGTCTGATGAAGCCAGTCAAGGACGTGGACAT
 CCTGGATACGATGTGGTCCAGCAGTTAGGCGTCATGGACGAGGCCGAGGTGGTAGGCACGGATCTTCTC
 TTGGACGACCAAGATTTCGTTTTGCTTCAGGGTGATACAGAACTTAA

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_172622

Insert Size:

3618 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_172622.2](#), [NP_766210.1](#)

RefSeq Size: 4337 bp

RefSeq ORF: 3618 bp

Locus ID: 224829

UniProt ID: [Q8BXJ2](#)

Cytogenetics: 17 C

Gene Summary: Binds DNA and activates transcription of CYP11A1. Interaction with CREBBP and EP300 results in a synergistic transcriptional activation of CYP11A1.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate in-frame splice site in the mid-coding region, compared to variant 1, resulting in a shorter protein (isoform 2).
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.