

Product datasheet for **MC200078**

Tsen34 (NM_024168) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tsen34 (NM_024168) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tsen34
Synonyms: 0610027F08Rik; Leng5
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC002205 sequence for NM_024168
 CCCACGCGTCCGCCGCGACGCACCCCACTCCGCAGGAAGATGCTGGTGGAGGTGCGAAATGGCCGC
 TCGCTGGTGTGGGAGCCGAGGCCGTGCAGGCGCTGCGGGAGCGTCTGGGAGTCGGGGACGCACGGTGG
 GCGCCCTGCCCGCGGGCCCGCCAGAAGTCCGCGCTGGCCCTTCCACTTCTGCTGCTGCCTGAAGAAGC
 CCGGCTCTGGCCGAGATAGGCGCGGTGACCCTAGTCAGCGCCCCGCGCCGGACCCCGCAACCATGGC
 TTGGCCCTAGCATCGTTCAAACGCCAGCAAGAGCAGAGTTCCAGGATCAGAACAATTTGGCAGCCGAGG
 CCCGGGAGACCCGGCGTCAGGAGCTTCTAGAGAAGATCGTAGAGGGCCAGGCTGCCAAGAAGCAGAAGCT
 GGAACAGGATTCAGGGGAGATGAAGGAGGCCAAGAAGCCGGTGGAAAGTGAAGGCTACCAAGGGAGTGAG
 ACCAGTGATGATGGCCAGCCTTCTGCGGAGCAGGAGGGAGCAGCCCCATCCCTAGATTCTCATCTCCCC
 AACCAGGACCTTCAAATGGGGTACTCCCTTGCCAGATCAGCCCTGCTTATCCAGCTGGCCACTGCCAG
 GCCTCGGCCTGTAAAAGCTAAGCCTCTGGACTGGCGTGTGCAGTCAAAGACTGGCCCCATGCTGGCCGT
 CCTGCCACAGAGCTGCGCTACAGCATCTACCGAGACCTGTGGGAGAGAGGTTTCTTCTCAGCGCAGCAG
 GGAAGTTTGGTGGTGACTTCTTGGTCTATCCTGGTGATCCACTGCGTTTTCCATGCTCACTACATTGCTCA
 GTGCTGGTCTGCTGAGGACCCCATCCCCTTACAGGACCTGGTCTCTGCAGGCCGCTGGGAACCAAGTGTG
 AGGAAGACCCCTGCTGCTCTGCTCCCCTCAGCCTGATGGGAAGGTGGTCTACACATCCCTGCAGTGGGCCA
 GCCTGCAGTGAGCTGGAGACTGTGTGGCAAGAACCCCTTCAATGGTGCAGCCAGTCACTCTGTCAC
 GGAGGCTTGCACTCTCCTGCTCTGCCTGGTTTGTCCGATTCCAGGGTTTGAACACTACATCCTTTCTG
 TTTGTTTTTGGTTTTGTTTTTCTGTTTTAAGGCGATTACTACCTGTGTGTTCTTTATTTTTGTTTTCCA
 AATTGTGCTTGTGAGCATGGAGACTGCTTTTGGTTTGGCTTTTGTGTTTCTTGGGGGCTTAGGTTCCCTG
 CAGTTCTCAATAAATTTGTTGAATAA

Restriction Sites: RsrII-NotI
ACCN: NM_024168
Insert Size: 951 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: | <ol style="list-style-type: none">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: | BC002205 , AAH02205 |
| RefSeq Size: | 1320 bp |
| RefSeq ORF: | 951 bp |
| Locus ID: | 66078 |
| UniProt ID: | Q8BMZ5 |
| Cytogenetics: | 7 A1 |
| Gene Summary: | <p>Constitutes one of the two catalytic subunit of the tRNA-splicing endonuclease complex, a complex responsible for identification and cleavage of the splice sites in pre-tRNA. It cleaves pre-tRNA at the 5'- and 3'-splice sites to release the intron. The products are an intron and two tRNA half-molecules bearing 2',3'-cyclic phosphate and 5'-OH termini. There are no conserved sequences at the splice sites, but the intron is invariably located at the same site in the gene, placing the splice sites an invariant distance from the constant structural features of the tRNA body. The tRNA splicing endonuclease is also involved in mRNA processing via its association with pre-mRNA 3'-end processing factors, establishing a link between pre-tRNA splicing and pre-mRNA 3'-end formation, suggesting that the endonuclease subunits function in multiple RNA-processing events (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents of an alternate promoter and 5' UTR, compared to variant 1, and encodes the longer isoform (a). Both variants 1 and 2 encode the same isoform (a).</p> |