

Product datasheet for MC202409

Tsen2 (NM_199033) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsen2 (NM_199033) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tsen2
Synonyms:	AU067695
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC061473 sequence for NM_199033
 CGGTGGGCGCGCTGGCGGCGAAAGAGACCTGTTATCCTTGAAGAATGGCAGAGGCAGTCTTCCGTGCTC
 CTAAGAGGAAAAGAAGAGTCTATGAGAGTTACGAGTCACCACTGCCCATCCCCTTTGGTCAGGACCAAGG
 TCCCAGGAAGGAATTCCGAATATTCCAGGCTGAAATGATTAGCAACAATGTGGTGGTGGAGGGGCACAGAG
 GACATGGAGCAGCTGTATGGGAAGGGTTACTTTGGAAAGGGGATTCTTTCCAGAAGCCGTCCAAACTTCA
 CAATCGCCAACCCACGCTGGCTGCCAGATGGAAGGTGTGCAGACAGACATGCCTATAATCACCTCAGA
 GAAGTATCAGCATCGGGTGAATGGGCCAGGGACTTCTCGTAGGCAGGGCCACGATGAGAGCACTGTG
 CAGAAGATCCTTACAGACTACACAGAGCCACTGGAGCTTCTTGCAGAGAGGAGAAAAGAAGAGACCCAC
 AGCAGGAGCCACTGAGCTCCAAGGCCGACTCCTCCCTGGAAGGCAGAGTGGAAAAGGATGAACTCCCCTG
 GACCCCTGGAGGTGCTGGACAGTCAGATGACCTACCCGGTCTCGGCACACACTCAGACTGCCTGCAGGAG
 GGGCCTGGCCATGCCACACTCGCTGCGGCTAGTCCATCTAGCCATAATGGGCATGTGGCAGAGGACCCCG
 AGGTTCTCCCCAGGAAACCCCTCGTTCCACAGGGTGGCCTTTGGCCTGAAGCCAGCAGCCAGGCCGAGG
 AGAGAAAAGGGCTGCTCACGAGTATGTGCTCATAGAGGAAGAGCTGTGTGGTGGCCAGGAGGAGGAGCG
 GCGGCGGCATCAGACGAGAAGTTGCTGAAAAGGAAGAACTTGTGTGCAGAGAAAATCCATACAGGATCT
 TTGAGTATCTGCAGCTCAGCCTAGAAGAGGCTTTCTTCTGGCATACGCCCTGGGATGCCTAAGTATTTA
 CTATGAGAAGGAGCCTCTGACAATAGTAAACTCTGGCAAGCCTTCACTGCAGTCCAGCCACCTTCAGG
 ACAACCTACATGGCCTACCACTACTTCCGAAGTAAAGGCTGGGTGCCAAAGTGGGGCTCAAGTATGGAA
 CAGATCTGCTGTATCGGAAAGGCCCTCCATTTTACCATGCAAGCTACTCGGTATCATTGAGCTCCT
 GGATGACAACTATGAGGGCTCCCTCCGCCGCTTTTCAGCTGGAAGTCCGCTGGCCGCCCTGAGCAGAGTC
 TCGGGGAACGTCTCCAAGGAGCTGATGCTGTGTTATTTGATTAAGCCCTTACCATGACTGCTGAAGACA
 TGGAGACCCAGAAATGCATGAAGAGGATTCAAGTTCAGGAGGTGATTCTCAGCCGATGGGTTTCTCCCG
 AGAGAGAAGTGACCAAGATGAGCTTTGACCTTCCAATCCAGAGTCCACAGTTCACCAACAGCTCTGACT
 GTGTGCCATCGGCCTGCCCCGAAGGAGCACCGGCACATTTGGGGATGCACAGGACCCCGTGGTCTGTTGC
 TGTAATGGAAAAATCTACTCTGTAGCTCAGCTTACCCAAGGACTTCAACCAGTTACCCACGTGACTGGAA
 ACCCATGACGGTTTGGAAACCTTGAAATACTGAGTGACGGGTGCATTCTCAGTGAACCTACTATTTGAC
 AGGTTGGTGCATTGAACACAAAATATGTAGTACTGGCTGTGAGAGATGCATCTTGTGGAGAACTTCT
 TATAAAATAAAAGTGAGAAGTGAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



[View online »](#)

Restriction Sites:	Ascl-NotI
ACCN:	NM_199033
Insert Size:	1383 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:	<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:	BC061473 , AAH61473
RefSeq Size:	1802 bp
RefSeq ORF:	1383 bp
Locus ID:	381802
UniProt ID:	Q6P7W5
Cytogenetics:	6 E3
Gene Summary:	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. Probably carries the active site for 5'-splice site cleavage. 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]