

Product datasheet for **SC310361**

TSEN2 (NM_025265) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSEN2 (NM_025265) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSEN2
Synonyms:	PCH2B; SEN2; SEN2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310361 representing NM_025265.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCAGAAGCAGTTTTCCATGCCCAAAGAGGAAAAGAAGAGTGTATGAGACTTACGAGTCTCCATTG
CCAATCCCTTTTGGTCAGGACCATGGTCCTCTGAAAGAATTCAAGATATTCGGTCTGAAATGATTAAAC
AACAAATGTGATTGTGAGGAATGCGGAGGACATTGAGCAGCTCTATGGGAAAGGTTATTTTGGAAAAGGT
ATTCTTTCAAGAAGCCGTCGAAGCTTCACAATTTAGATCCTAAACTGGTTGCTAAATGGAAGATATG
AAGACAAACATGCCTATCATCACATCAAAGAGGTATCAGCATAGTGTTGAGTGGGAGCAGAGCTGATG
CGTAGACAGGGGAGGATGAGAGTACAGTGCGCAGAATCCTCAAGGATTACACGAAACCGCTTGAGCAT
CCTCTGTGAAAAGGAATGAAGAGGCTCAAGTGCATGACAAGCTTAAGTCTGGAATGGTTTCCAACATG
GAAGGCACAGCAGGGGAGAGAGACCTTCTGTGGTAAACGGGGACTCTGGAAAGTCAGGTGGTGTGGGT
GATCCCCGTGAGCCATTAGGCTGCCTGCAGGAGGGCTCTGGCTGCCACCAACAACAGAGAGCTTTGAG
AAAAGCGTGCAGAGGATGCCTCACCTCTGCCCCATGTCTGTTGCTGCAACAAGATGCTCTCATCCTC
CAGCGTGGCCTTCATCATGAAGACGGCAGCCAGCACATCGGCCTCCTGCATCCTGGGGACAGAGGGCCT
GACCATGAGTACGTGCTGGTTCGAGGAAGCGGAGTGTGCCATGAGCGAGAGGGAGGCTGCCCAAATGAG
GAATTGGTGCAAAGAAACAGGTTAATATGCAGAAGAAATCCATATAGGATCTTTGAGTATTTGAACTC
AGCCTAGAAGAGGCCCTTTTCTTGGTCTATGCTCTGGGATGTTTAAAGTATTTACTATGAGAAGGAGCCT
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TACCATTACTTTTGAAGCAAGGGCTGGGTGCCAAAGTGGGACTCAAGTACGGGACAGATTTACTGCTA
TATCGGAAAGGCCCTCCATTTTACCATGCAAGTTATTCTGTCTATTATCGAGCTAGTTGATGACCATTTT
GAAGGCTCTCTCCGAGGCCTCTCAGTTGGAAGTCCCTGGCTGCCTTGAGCAGAGTTTCCGTTAATGTC
TCTAAGGAACTTATGCTGTGCTATTTGATTAAACCCCTCTACTATGACTGACAAGGAAATGGAGTCACCA
GAATGTATGAAAAGGATTAAGTTTCAAGAGGTGATTCTGAGTCGATGGGTTTCTTACGAGAGAGGAGT
GACCAAGACGATCTTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_025265

Insert Size: 1398 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_025265.3](#)

RefSeq Size: 2402 bp

RefSeq ORF: 1398 bp

Locus ID: 80746

UniProt ID: [Q8NCE0](#)

Cytogenetics: 3p25.2

Domains: tRNA_int_endo

MW: 53.2 kDa

Gene Summary: This gene encodes one of the subunits of the tRNA splicing endonuclease. This endonuclease catalyzes the first step in RNA splicing which is the removal of introns. Mutations in this gene have been associated with pontocerebellar hypoplasia type 2. A pseudogene has been identified on chromosome 4. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Feb 2009]
 Transcript Variant: This variant (1) represents the longer transcript. Variants 1, 2 and 6 encode the same isoform (1).