

Product datasheet for **SC319748**

TSEN34 (NM_001077446) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSEN34 (NM_001077446) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSEN34
Synonyms:	LENG5; PCH2C; SEN34; SEN34L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001077446.1

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GCCGAGACCCCGAGGCTTTGGGTGCGCTGCAGCGGTCTGCGGCGCGCAGCTGTTTCGGT
AACTGCTTTGCCCTCCCGGCTCCCGCAGGAGGATGCTGGTGGTGGAGGTGGCGAACGGCCG
CTCCCTGGTGTGGGGAGCCGAGGCGGTGCAGGCCCTCCGGGAGCGCTGGGTGTGGGGGG
CCGCACGGTAGGCGCCCTGCCCGCGGGCCCCGCCAGAACTCGCGCTGGGCCTCCCGCT
GCTGCTGATGCCGAAGAGGCGCGGCTCTTGGCCGAGATCGGCGCCGTGACTCTGGTCAG
CGCCCCGCGTCCAGACTCTCGGCACACAGCCTGGCCCTGACATCCTTCAAGCGCCAGCA
AGAGGAGAGCTTCCAGGAGCAGAGCGCCTTGGCAGCTGAGGCCCGGGAGACCCGTCGTCA
GGAGCTCCTGGAGAAGATTACGGAGGGCCAGGCTGCTAAGAAGCAGAACTAGAACAGGC
TTCAGGGGCCAGCTCAAGCCAGGAGGCCGGCTCGAGCCAGGCTGCCAAAGAGGATGAGAC
CAGTGATGGCCAGGCTTCGGGAGAGCAGGAGGAAGCTGGCCCCTCGTCTTCCCAAGCAGG
ACCCTCAAATGGGTAGCCCCCTTGCCCAGATCTGCTCTCCTTGTCCAGCTGGCCACTGC
CAGGCCTCGACCGGTCAAGGCCAGGCCCTGGACTGGCGTGTCCAGTCTAAAGACTGGCC
CCACGCCGGCCGCCCTGCCACGAGCTGCGCTACAGTATCTACAGAGACCTGTGGGAGCG
AGGCTTCTTCTCAGTGCGGCTGGCAAGTTCGGAGGTGACTTCTTGGTCTATCCTGGTGA
CCCCCTCCGCTTCCACGCCCATTATATCGCTCAGTGCTGGGCCCCCGAGGACACCATCCC
ACTCCAAGACCTGGTTGCTGCTGGGCGCCTTGAACACAGCGTCAGAAAGACCTGCTCCT
CTGTTCTCCGAGCCTGATGGTAAGGTGGTCTACACCTCCCTGCAATGGGCCAGCCTGCA
GTGAACCTCAGAGACCTAGGGGATGTGGCTGTGTCGGCAGCAAGAGCCTTTCTGGATGTT
CCCCAGCTCTTCTCTGGGAGTCTAGAACATCCTCCTACCTTTCTCCGCGGTTAGTTTTTG
ATTCCAGTTTTTCGAACACTACATCTTTTTTATGTTCTTCTTGTTCCTTGTTCCTTCAAGCACTTATT
GGCTGTGTTTTGTAGTTACCTATTTTCACTGTGAGCTTCCGAGAATGGGCCTGGG
TTTGATTCATCTGTTTTCTACAGGGTTTAAGTCTCAGGAGGTCTCAATAAACTTGGTATA
TAAATGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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Restriction Sites: Please inquire


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ACCN:	NM_001077446
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:	<u>NM_001077446.1</u> , <u>NP_001070914.1</u>
RefSeq Size:	1371 bp
RefSeq ORF:	933 bp
Locus ID:	79042
UniProt ID:	<u>Q9BSV6</u>
Cytogenetics:	19q13.42
Gene Summary:	This gene encodes a catalytic subunit of the tRNA splicing endonuclease, which catalyzes the removal of introns from precursor tRNAs. The endonuclease complex is also associated with a pre-mRNA 3-prime end processing factor. A mutation in this gene results in the neurological disorder pontocerebellar hypoplasia type 2. Multiple alternatively spliced variants, encoding the same protein, have been identified.[provided by RefSeq, Oct 2009] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same isoform (1). 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.