OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC323994

TSEN54 (NM_207346) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSEN54 (NM_207346) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSEN54
Synonyms:	PCH2A; PCH4; PCH5; sen54; SEN54L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_207346.2
GGATGGAGCCCGATCCCGAGCCCGCGGCCGTGGAGGTTCCCGCGGGGCGCGTGCTCAGCG
CCCGGGAGCTCTTCGCCGCCCGCTCGCGGTCGCAGAAGCTGCCCCAGCGCTCGCATGGCC
CCAAGGACTTTCTGCCCGACGGCTCGGCAGCTCAGGCCGAGCGGCTGCGCCGGTGCCGGG
AAGAGCTCTGGCAGCTGCTGGCAGAGCAGCGCGTGGAGCGCCTGGGCAGCTTGGTGGCTG
CCGAGTGGAGGCCAGAAGAGGGCTTCGTGGAGTTGAAGTCTCCCGCGGGCAAATTCTGGC
AGACCATGGGCTTCTCAGAGCAGGGCCGGCAGCGCCTTCACCCGGAAGAGGCCTTGTATC
TTCTGGAGTGTGGCTCCATCCACCTCTTCCACCAAGACCTGCCACTGTCTATCCAGGAAG
CTTACCAGCTGCTGCTGACCGACCACACTGTGACCTTCCTGCAGTACCAGGTCTTCAGCC
ACCTGAAGAGGTTGGGTTATGTGGTTCGACGATTCCAACCAAGCTCTGTCCTGTCCCCGT
ATGAGAGGCAGCTTAACCTGGATGCCAGCGTGCAGCACTTGGAGGATGGAGATGGCAAGA
GAAAGAGGAGCAGCTCCAGCCCTCGGTCCATTAATAAGAAGGCCAAGGCCCTGGACAACT
CCCTGCAACCCAAGAGTCTGGCAGCCTCCAGCCCACCTCCCTGCAGCCAGCCCAGCCAAT
GCCCAGAGGAGAAACCCCAGGAGTCAAGCCCCATGAAGGGCCCAGGGGGCCCCTTTCAGC
TTCTGGGGTCCCTGGGCCCCAGCCCTGGCCCGGCCAGGGAGGGGGTGGGGTGCAGCTGGG
AGAGTGGCAGAGCCGAGAACGGAGTCACGGGAGCCGGTAAGCGGCGCTGGAACTTCGAGC
AGATCTCCTTCCCCAACATGGCTTCAGACAGCCGCCACACCCTTCTGCGCGCCCCAGCCC
CAGAGCTGCTCCCGGCCAACGTGGCTGGGCGGGAGACAGACGCTGAGTCCTGGTGCCAGA
AGCTGAACCAGCGCAAGGAGAACCTCTCCAGGCGGGAACGGGAGCACCACGCGGAGGCCG
CGCAGTTCCAGGAAGATGTCAACGCCGATCCCGAGGTGCAGCGCTGCTCCAGCTGGCGGG
AGTACAAGGAGCTGCTGCAGCGGCGGCAGGTGCAGAGGAGCCAGCGCCGGGCCCCTCACC
TGTGGGGCCAGCCCGTCACCCCGCTGCTGAGTCCTGGCCAGGCCAGCTCCCCAGCCGTGG
TCCTTCAGCATATCTCTGTGCTGCAGACAACACACCTTCCTGATGGAGGTGTCCGGCTGT
TGGAGAAGTCTGGGGGCTTGGAAATCATCTTTGATGTTTACCAGGCCGACGCTGTGGCCA
CATTCCGAAAGAATAACCCTGGCAAACCCTATGCCCGGATGTGCATTAGTGGATTTGATG
AGCCTGTCCCAGACCTCTGCAGCCTCAAGCGGTTGTCTTACCAGAGTGGGGATGTCCCTC
TGATCTTTGCCCTGGTGGATCATGGTGACATCTCCTTCTACAGCTTCAGGGACTTCACGT
TGCCCCAGGATGTGGGGCACTGACCTCACAGCTCTGCAGAGGATGGAGCTTGCTCCGGGG
GACCGGGACTGTCTGTTCTCAGGGACCATCTCGGCTGCCTCCTGTACCCAGACTCTAACC
TGTAGCTTCAGAGGCCAGTCTGGGCCTTGGCCCTGGGTGTCTGATACTCACAGAGTGAAA
CTGTGACCCTCTCCCTTCCCTGCTGCCTTGCAGTGACCCCTCTGGAACTCAGGACTCGAT
TTTAAGGACCCAGGAGGTGGGGCAGAAGAGAGGACTGTGTGCCTTTAACGAGAGGGTGCC
TGCTTCGTGCTATAAAGCCAAAGCCATTAAAAATAGATTTCTTTTAAAAAAAAAAAAAAA
AAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_207346

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_207346.2, NP_997229.2
RefSeq Size:	1970 bp
RefSeq ORF:	1581 bp
Locus ID:	283989
UniProt ID:	Q7Z6J9
Cytogenetics:	17q25.1
Gene Summary:	This gene encodes a subunit of the tRNA splicing endonuclease complex, which catalyzes the removal of introns from precursor tRNAs. The complex is also implicated in pre-mRNA 3-prime end processing. Mutations in this gene result in pontocerebellar hypoplasia type 2. [provided by RefSeq, Oct 2009]