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Product datasheet for RC237365

TSEN34 (NM_001282332) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSEN34 (NM_001282332) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TSEN34
Synonyms:	LENG5; PCH2C; SEN34; SEN34L
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

ORF Nucleotide Sequence:

>RC237365 representing NM_001282332
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGTGGTGGAGGTGGCGAACGGCCGCTCCCTGGTGTGGGGAGCCGAGGCGGTGCAGGCCCTCCGGG
AGCGCCTGGGTGTGGGGGGCCGCACGGTAGGCGCCCTGCCCCGCGGGCCCCGCCAGAACTCGCGCCTGGG
CCTCCCGCTGCTGCTGATGCCCGAAGAGGCGCGGCTCTTGGCCGAGATCGGCGCCGTGACTCTGGTCAGC
GCCCCGCGTCCAGACTCTCGGCACCACAGCCTGGCCCTGACATCCTTCAAGCGCCAGCAAGAGGAGAGCT
TCCAGGAGCAGAGCGCCTTGGCAGCTGAGGCCCGGGAGACCCGTCGTCAGGAGCTCCTGGAGAAGATTAC
GGAGGGCCAGGCTGCTAAGAAGCAGAAACTAGAACAGGCTTCAGGGGCCAGCTCAAGCCAGGAGGCCGGC
TCGAGCCAGGCTGCCAAAGAGGATGAGACCAGTGATGGCCAGGCTTCGGGAGAGCAGGAGGAAGCTGGCC
CCTCGTCTTCCCAAGCAGGACCCTCAAATGGGGTAGCCCCCTTGCCCAGATCTGCTCTCCTTGTCCAGCT
GGCCACTGCCAGGCCTCGACCGGTCAAGGCCAGGCCCCTGGACTGGCGTGTCCAGTCTAAAGACTGGCCC
CACGCCGGCCGCCCTGCCCACGAGCTGCGCTACAGTATCTACAGAGACCTGTGGGAGCGAGGCTTCTTCC
TCAGTGCGGCTGGCAAGTTCGGAGGTGACTTCCTGGTCTATCCTGGTGACCCCCTCCGCTTCCACGCCCA
TTATATCGCTCAGTGCTGGGCCCCTGAGGACACCATCCCACTCCAAGACCTGGTTGCTGCTGGGCGCCTT
GGAACCAGCGTCAGAAAGACCCTGCTCCTCTGTTCTCCGCAGCCTGATGGTAAGGTGGTCTACACCTCCC
TGCAATGGGCCAGCCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

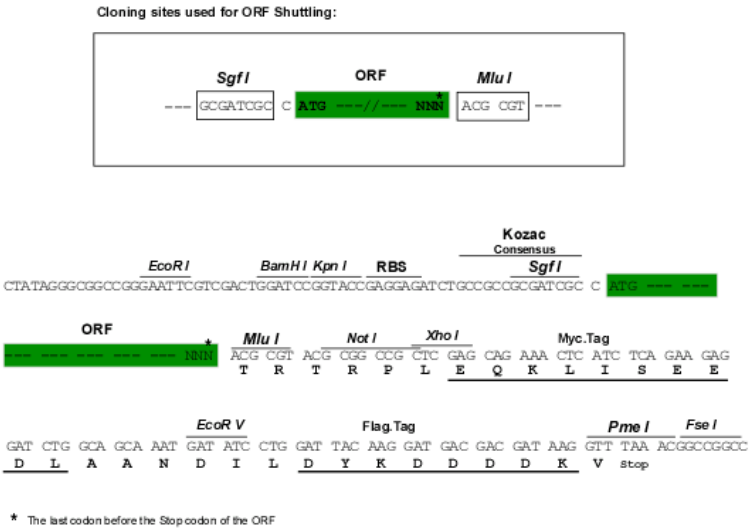
>RC237365 representing NM_001282332
Red=Cloning site Green=Tags(s)

MLVVEVANGRSLVWGAEAVQALRERLGVGGRTVGALPRGPRQNSRLGLPLLLMPEEARLLAEIGAVTLVS
APRPDSRHHSLALTSFKRQQEESFQEQSALAAEARETRRQELLEKITEGQAAKKQKLEQASGASSSQEAG
SSQAAKEDETSDGQASGEQEEAGPSSSQAGPSNGVAPLPRSALLVQLATARPRPVKARPLDWRVQSKDWP
HAGRPAHELRYSIYRDLWERGFFLSAAGKFGGDFLVYPGDPLRFHAHYIAQCWAPEDTIPLQDLVAAGRL
GTSVRKTLLLCSPQPDGKVVYTSLQWASLQ

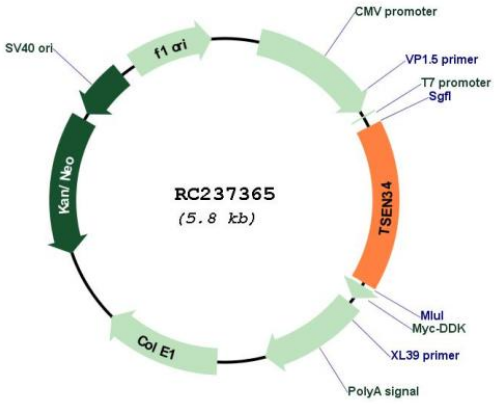
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282332

ORF Size: 930 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001282332.1, NP_001269261.1
RefSeq Size:	2418 bp
RefSeq ORF:	933 bp
Locus ID:	79042
UniProt ID:	Q9BSV6
Cytogenetics:	19q13.42
MW:	34.1 kDa
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]