

Product datasheet for **SC307835**

Amino terminal enhancer of split (AES) (NM_198969) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amino terminal enhancer of split (AES) (NM_198969) Human Untagged Clone
Tag:	Tag Free
Symbol:	TLE5
Synonyms:	AES; AES-1; AES-2; ESP1; GRG; Grg-5; GRG5
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198969, the custom clone sequence may differ by one or more nucleotides ATGTGTCACAAGAATGGCTTCCCTCAGGAAGGCGGCATTACCGCTGCCTTCTGCAGAAA AGGAAACTAAGGCTCAGCAAGAACCACCGCCAGCCAGAGCCAAGGTCACAGAGCACGTC CGTGGCACGCGTCCAGGTCGTGCCACAGCAGGGCCGGCGGCTTCGACGCGGGCAGCCGG TCCCTTTTCTTTGACAGATGGGAAACCGAGGCCCGCCGGCTGCCGGGGCTCCTCGCAC CTACCCAGCAACTCAAATTCACCACCTCGGACTCCTGCGACCGCATCAAAGACGAATTT CAGCTACTGCAAGCTCAGTACCACAGCCTCAAGCTCGAATGTGACAAGTTGGCCAGTGAG AAGTCAGAGATGCAGCGTCACTATGTGATGTACTACGAGATGTCTACGGCTTGAACATC GAGATGCACAAACAGGCTGAGATCGTCAAAGGCTGAACGGGATTGTGCCAGGTCCTG CCCTACCTCTCCAAGAGCACCAGCAGCAGGTCTTGGGAGCCATTGAGAGGGCCAAGCAG GTCACCGCTCCCGAGCTGAACTCTATCATCCGACAGCAGTCCAAGCCCACCAGCTGTCC CAGCTGCAGGGCCCTGGCCCTGCCCTTGACCCCACTACCCGTGGGGCTGCAGCCGCCTTCG CTGCCGGCGGTGACGCGAGGCACCGGCCCTCCTCTCGTGTCCGCGCTGGGTTCCAGGCC CACCTCTCAAGGAAGACAAGAACGGGCACGATGGTGACCCACCAGGAGGATGATGGC GAGAAGTCGGATTAG
Restriction Sites:	Please inquire
ACCN:	NM_198969
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).



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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_198969.1](#), [NP_945320.1](#)

RefSeq Size: 1754 bp

RefSeq ORF: 795 bp

Locus ID: 166

UniProt ID: [Q08117](#)

Cytogenetics: 19p13.3

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene is similar in sequence to the amino terminus of Drosophila enhancer of split groucho, a protein involved in neurogenesis during embryonic development. The encoded protein, which belongs to the groucho/TLE family of proteins, can function as a homooligomer or as a heterooligomer with other family members to dominantly repress the expression of other family member genes. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).