

## Product datasheet for **SC307836**

### Amino terminal enhancer of split (AES) (NM\_198970) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Amino terminal enhancer of split (AES) (NM_198970) Human Untagged Clone
Tag:	Tag Free
Symbol:	TLE5
Synonyms:	AES; AES-1; AES-2; ESP1; GRG; Grg-5; GRG5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307836 representing NM_198970. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGATGTTTCCACAAAGCAGGCATTCGGGCTCCTCGCACCTACCCAGCAACTCAAATTCACCACCTCG
GACTCCTGCGACCGCATCAAAGACGAATTTAGCTACTGCAAGCTCAGTACCACAGCCTCAAGCTCGAA
TGTGACAAGTTGGCCAGTGAGAAGTCAGAGATGCAGCGTCACTATGTGATGTACTACGAGATGTCCTAC
GGCTTGAACATCGAGATGCACAAACAGGCTGAGATCGTCAAAGGCTGAACGGGATTTGTGCCAGGTC
CTGCCCTACCTCTCCAAGAGCACCAGCAGCAGGCTTTGGGAGCCATTGAGAGGGCCAAGCAGGTCACC
GCTCCCGAGCTGAACTCTATCATCCGACAGCTCCAAGCCACCAGCTGTCCAGCTGCAGGCCCTGGCC
CTGCCCTTGACCCCACTACCCGTGGGGCTGCAGCCGCTTCGCTGCCGGCGGTCAGCGCAGGCACCGGC
CTCCTCTCGCTGTCCGCGCTGGGTTCCAGGCCACCTCTCCAAGGAAGACAAGAACGGGCACGATGGT
GACACCCACCAGGAGGATGATGGCGAGAAGTCGGATTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_198970
Insert Size:	591 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_198970.1</a></u>
<b>RefSeq Size:</b>	1684 bp
<b>RefSeq ORF:</b>	591 bp
<b>Locus ID:</b>	166
<b>UniProt ID:</b>	<u><a href="#">Q08117</a></u>
<b>Cytogenetics:</b>	19p13.3
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	21.8 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding region compared to variant 1. The resulting isoform (c) is shorter, has a distinct N-terminus, and lacks 1 aa in the C-terminus compared to isoform a.</p>