

## Product datasheet for **SC318169**

### ETL (ADGRL4) (NM\_022159) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ETL (ADGRL4) (NM_022159) Human Untagged Clone
Tag:	Tag Free
Symbol:	ETL
Synonyms:	ELTD1; ETL; KPG_003
Vector:	<u>pCMV6 series</u>



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## Fully Sequenced ORF:

>OriGene ORF sequence for NM\_022159 edited  
ATGAAACGCCTCCCGCTCCTAGTGGTTTTTCCACTTTGTTGAATTGTTCTTACTCAA  
AATTGCACCAAGACACCTTGTCTCCAAATGCAAAATGTGAAATACGCAATGGAATTGAA  
GCCTGCTATTGCAACATGGGATTTTCAGGAAATGGTGTCACAATTTGTGAAGATGATAAT  
GAATGTGGAAATTTAACTCAGTCTGTGGCGAAAATGCTAATTGCACTAACACAGAAGGA  
AGTTATTATTGTATGTGTGTACCTGGCTTCAGATCCAGCAGTAACCAAGACAGGTTTATC  
ACTAATGATGGAACCGTCTGTATAGAAAATGTGAATGCAAACTGCCATTTAGATAATGTC  
TGATAGCTGCAAAATTAATAAACTTTAACAAAAATCAGATCCATAAAAAGAACCTGTG  
GCTTTGCTACAAGAAGTCTATAGAAATTCTGTGACAGATCTTTCACCAACAGATATAATT  
ACATATATAGAAATATTAGCTGAATCATCTTCATTACTAGGTTACAAGAACAACACTATC  
TCAGCCAAGGACACCTTTCTAACTCAACTCTTACTGAATTTGTA AAAACCGTGAATAAT  
TTTGTTC AAAGGATACATTTGTAGTTGGGACAAGTTATCTGTGAATCATAGGAGAACA  
CATCTTACAAAACATGCACACTGTTGAACAAGCTACTTTAAGGATATCCAGAGCTTC  
CAAAAGACCACAGAGTTTGATACAAATTCACGGATATAGCTCTCAAAGTTTTCTTTTT  
GATTCATATAACATGAAACATATTCATCCTCATATGAATATGGATGGAGACTACATAAAT  
ATATTTCCAAAGAGAAAAGCTGCATATGATTCAAATGGCAATGTTGCAGTTGCATTTTTA  
TATTATAAGAGTATTGGTCTTTGCTTTCATCATCTGACAACTTCTTATTGAAACCTCAA  
AATTATGATAATTCTGAAGAGGAGGAAAGATCATATCTTCAGTAATTTCACTCTCAATG  
AGCTCAAACCCACCCACATTATATGAACTTGAAAAATAACATTTACATTAAGTCATCGA  
AAGGTCACAGATAGGTATAGGAGTCTATGTGCATTTTGGAACTTACTCACCTGATACCATG  
AATGGCAGCTGGTCTTCAGAGGGCTGTGAGCTGACATACTCAAATGAGACCCACACCTCA  
TGCCGCTGTAATCACCTGACACATTTTGCAATTTTGATGTCTCTGGTCTTCCATTGGT  
ATTAAGATTATAATATTCTTACAAGGATCACTCACTAGGAATAATTATTTCACTGATT  
TGTCTTGGCATATGCATTTTTACCTTCTGGTTCTTCAGTGAAATTCAAAGCACCAGGACA  
ACAATTCACAAAAATCTTTGCTGTAGCCTATTTCTTGCTGAACTTGT TTTTCTTGTGGG  
ATCAATACAAATACTAATAAGCTCTTCTGTTCAATCATTGCCGGACTGCTACACTACTTC  
TTTTTAGCTGCTTTTGCATGGATGTGCATTGAAGGCATACATCTCTATCTCATTGTTGTG  
GGTGTCTCTACAACAAGGGATTTTGCACAAGAATTTTATATCTTTGGCTATCTAAGC  
CCAGCCGTGGTAGTTGGATTTTCGGCAGCACTAGGATACAGATATTATGGCACAACCAAA  
GTATGTTGGCTTAGCACCGAAAACAACCTTATTTGGAGTTTTATAGGACCAGCATGCCTA  
ATCATTCTTGTTAATCTCTTGGCTTTTGGAGTCATCATATACAAAGTTTTTCGTCACT  
GCAGGGTTGAAACCAGAAGTTAGTTGCTTTGAGAACATAAGGTCTTGTGCAAGAGGAGCC  
CTCGCTCTTCTGTTCTTCTCGGCACCCTGGATCTTTGGGGTTCTCCATGTTGTGCAC  
GCATCAGTGGTTACAGCTTACCTCTTACAGTCAGCAATGCTTTCCAGGGGATGTTTATT  
TTTTTATCTGTGTGTTTTATCTAGAAAAGATTCAAGAAGAATATTACAGATTGTTCAA  
AATGTCCCCTGTTGTTTTGGATGTTAAGGTAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_022159 unedited  
 AGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTCTCCGCC  
 ACCGCCACCACTGCGGCCACCGCAATGAAACGCCTCCCGCTCCTAGTGGTTTTTTCCAC  
 TTTGTTGAATTGTTCTATACTCAAAATGCACCAAGACACCTTGTCTCCCAAATGCAAA  
 ATGTGAAATACGCAATGGAATGAAGCCTGCTATTGCAACATGGGATTTTCAGGAAATGG  
 TGTCACAATTTGTGAAGATGATAATGAATGTGGAAATTTAACTCAGTCCTGTGGCGAAAA  
 TGCTAATTGCACTAACACAGAAGGAAGTTATTATTGTATGTGTGTACCTGGCTTCAGATC  
 CAGCAGTAACCAAGACAGGTTTATCACTAATGATGGAACCGTCTGTATAGAAAATGTGAA  
 TGCAAACTGCCATTTAGATAATGTCTGTATAGCTGCAAAATATTAATAAACTTTAACAAA  
 AATCAGATCCATAAAAAGAACCTGTGGCTTTGCTACAAGAAGTCTATAGAAATTCTGTGAC  
 AGATCTTTCACCAACAGATATAATTACATATATAGAAATATTAGCTGAATCATCTTCATT  
 ACTAGGTTACAAGAACAACACTATCTCAGCCAAGGACACCCTTTCTAACTCAACTCTTAC  
 TGAATTTGTA AAAACCGTGAATAATTTTGTCAAAGGGATACATTTGTAGTTTGGGACAA  
 GTTATCTGTGAATCATAGGAGAACATCTTACAAAACACTATGCACACTGTTGAACAAGC  
 TACTTTAAGGATATCCCAGAGCTTCCAAAAGACCACAGAGTTTGATACANATTCAACGGA  
 TATAGCTC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_022159 unedited  
 GGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGTGTTTCTTCAATTCTTTATTT  
 TATGTCAACAATTTCTCAGCTAGTCTACAGAAAAACAGTTCATTCAAAATACATCTTAT  
 CATTCCCTTTTCACTGTTTGATATTCTGCCCTTCATTCTTTATGTTCCACTTTCTGTA  
 ATGGAGCTCATTACCGAGGTGGTAGGGGACTAGTTTCAAAGGCAACACGAGTCACAGAAA  
 TATCAAGCCAGTGGTTTCTTCCAGGACATTCATATACTTCTCGTGTAGAAAAGAAAATCT  
 TTCTTGGGTGCAGTGATATCACTCCTGAGAAACCAATTACTTTCCAAATATCTGCAATA  
 CTATTTTTGACAGAACTATTTACATAGAAAAACATAGTATATCTATATGATACATAATT  
 TTACCTTATTATCTACAGTTCCTATAGCATAAACAGAAAAACTGATTTAAAATACTTTTT  
 GTCTAGTAGTTAATAATTGGATAATTTGATGAGTCATTTTTATACATTGGTCATCCACAG  
 CTTGGAATTTTTATTTTTGTGCAGTTGTAATTATCCACCATTCTCTATGTTTACCTTAAA  
 CATCCAAAACAACAGGGGACATTTTTGAACAATCTGTAATTTCTTCTTGAATCTTTCTA  
 GATAAAACACACAGNGAATAAAAAAATGAACATCCCCTGNAAGCATTGCTGACTGTGAA  
 GAAGTAAGCTGNTACCAGTATGCGTGCACACATGGAGAAACCCCAAGATCCAGTGGTGC  
 CGAGAAAAGAACAGAAGAGCGAGGNCCTCTTGCACAAGACCTTATGTTCTCAAAGCACT  
 AACTTNTGTTNCAACCCTGCAGTGTGACGAANAACCTGNTATGATGACTCCAAAGCCCA  
 GAGATTACAGAAATGATAGCATGCTGGTCTATAAACTCCAATANNAAGTGTTCGTGCTA  
 AGCACTACTT

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_022159

**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).

<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>	<a href="#">NM_022159.3</a> , <a href="#">NP_071442.2</a>
<b>RefSeq Size:</b>	3619 bp
<b>RefSeq ORF:</b>	2073 bp
<b>Locus ID:</b>	64123
<b>UniProt ID:</b>	<a href="#">Q9HBW9</a>
<b>Cytogenetics:</b>	1p31.1
<b>Domains:</b>	GPS, 7tm_2, EGF_CA, EGF
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Gene Summary:</b>	Endothelial orphan receptor that acts as a key regulator of angiogenesis.[UniProtKB/Swiss-Prot Function]