

Product datasheet for **RG223172**

ETL (ADGRL4) (NM_022159) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ETL (ADGRL4) (NM_022159) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ETL
Synonyms:	ELTD1; ETL; KPG_003
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG223172 representing NM_022159
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACGCCTCCCGCTCCTAGTGGTTTTTCCACTTTGTTGAATTGTTCTATACTCAAATTGCACCA
AGACACCTTGCTCCCAATGCAAAATGTGAAATACGCAATGGAATTGAAGCCTGCTATTGCAACATGGG
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GTAACCAAGACAGGTTTACTACTAATGATGGAACCGTCTGTATAGAAAATGTGAATGCAAACCTGCCATTT
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AAATATTAGCTGAATCATCTTCATTACTAGGTTACAAGAACAACACTATCTCAGCCAAGGACACCCTTTC
TAACTCAACTCTTACTGAATTTGAAAAACCGTGAATAATTTTGTCAAAGGGATACATTTGTAGTTTGG
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GAAAAATAACATTTACATTAAGTCATCGAAAGGTCACAGATAGGTATAGGAGTCTATGTGCATTTTGG
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CTATCTAAGCCCAGCCGTGGTAGTTGGATTTTCGGCAGCACTAGGATACAGATATTATGGCACAACCAA
GTATGTTGGCTTAGCACCGAAAACAACCTTATTTGGAGTTTTATAGGACCAGCATGCCTAATCATTCTTG
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TAGTTGCTTTGAGAACATAAGGTCTTGTGCAAGAGGAGCCCTCGCTCTTCTGTTCCCTTCGGCACCACC
TGGATCTTTGGGTTCTCCATGTTGTGCACGCATCAGTGGTTACAGCTTACCTCTTCACAGTCAGCAATG
CTTTCCAGGGATGTTCAATTTTTTATTCTGTGTGTTTTATCTAGAAAGATTCAAGAAGAATATTACAG
ATTGTTCAAAAATGTCCCTGTTGTTTTGGATGTTAAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG223172 representing NM_022159
 Red=Cloning site Green=Tags(s)

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MKRLPLL VVFSTLLNCSYTNCTKTPCLPNAKCEIRNGIEACYCNMGFSNGVTCEDDNECGNL TQSCG
ENANCTNTEGSYYCMCVPGFRSSSNQDRFITNDGTVCIEVNVNANCHLDNVCAIANINKLTKIRSIKEPV
ALLQEVYRNSVTDLSPTDIITYIEILAESSLLGYKNNTISAKDTLSNSTLTFVKTVNNFVQRDTFVWW
DKLSVNHRRRTHLTKLMHTVEQATLRISQSFQKTTEFDTNSTDIALKVVFFDSYNMKHIHPHMNDGDYIN
IFPKRKAAYDSNGNVAVAFVYKISIGPLLSSSDNFLLKPQNYDNSEEEERVISSVISVMSNPPPLYEL
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IKDYNILTRITQLGIIISLICLAICIFTWFFSEIQSTRTTIHKNLCCSLFLAELVFLVGINTNTNKLFC
SIIAGLLHYFFLAFAWMCIEGHLVYLVVGVYIYKNGFLHKNFYIFGYLSPAVVVGFSALGYRYYGTTK
VCWLSTENNFISF IGPACLIILVNLLAFGVIIYKVFRTAGLKPEVSCFENIRSCARGALALLFLLGTT
WIFGVLHVHASVVTAYLFTVSNAFQGMFIFLFLCVLSRKIQEEYRFLKKNVPCCFGLR
  
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_022159

ORF Size: 2070 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_022159.4](#)

RefSeq Size: 3619 bp

RefSeq ORF: 2073 bp

Locus ID: 64123

UniProt ID: [Q9HBW9](#)

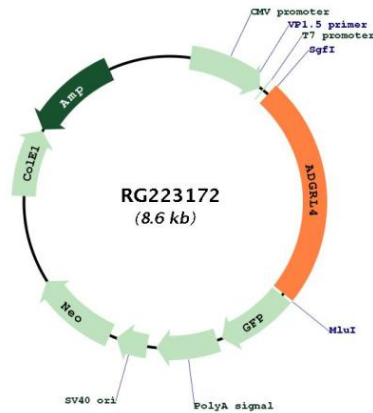
Cytogenetics: 1p31.1

Domains: GPS, 7tm_2, EGF_CA, EGF

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: Endothelial orphan receptor that acts as a key regulator of angiogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223172