

Product datasheet for **RC223172**

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:	Myc-DDK
Symbol:	ETL
Synonyms:	ELTD1; ETL; KPG_003
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC223172 representing NM_022159
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACGCCTCCGCTCCTAGTGGTTTTTCCACTTTGTTGAATTGTTCTATACTCAAATTGCACCA
AGACACCTTGCTCCCAATGCAAAATGTGAAATACGCAATGGAATTGAAGCCTGCTATTGCAACATGGG
ATTTTCAGGAAATGGTGTCACAATTTGTGAAGATGATAATGAATGTGAAATTTAACTCAGTCTGTGGC
GAAATGCTAATTGCACTAACACAGAAGGAAGTTATTATTGTATGTGTACCTGGCTTCAGATCCAGCA
GTAACCAAGACAGGTTTACTACTAATGATGGAACCGTCTGTATAGAAAATGTGAATGCAAATGCCATTT
AGATAATGTCTGTATAGCTGCAAAATTAATAAACTTTAACAAAAATCAGATCCATAAAAGAACCTGTG
GCTTTGCTACAAGAAGTCTATAGAAATCTGTGACAGATCTTCCACCAACAGATAAATTACATATATAG
AAATATTAGTGAATCATCTTCATTACTAGGTTACAAGAACAACACTATCTCAGCCAAGGACACCCTTTC
TAACTCAACTCTTACTGAATTTGAAAAACCGTGAATAATTTTGTCAAAGGGATACATTTGTAGTTTGG
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GAAAAATAACATTTACATTAAGTCATCGAAAGGTCACAGATAGGTATAGGAGTCTATGTGCATTTTGG
ATTACTCACCTGATACCATGAATGGCAGCTGGTCTTCAGAGGGCTGTGAGCTGACATACTCAAATGAGAC
CCACACCTCATGCCGCTGTAATCACCTGACACATTTTGAATTTGATGCCTCTGGTCTTCCATTGGT
ATTAAGATTATAATATTCTTACAAGGATCACTCAACTAGGAATAATTATTTCACTGATTTGTCTTGCCA
TATGCATTTTTACCTTCTGGTCTTCAGTGAATTCAAAGCACCAGGACAACAATTCACAAAAATCTTTG
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TCAATCATTGCCGACTGCTACACTACTCTTTTTAGCTGCTTTTGCATGGATGTGCATTGAAGGCATAC
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GTATGTTGGCTTAGCACCGAAAACAACCTTATTTGGAGTTTTATAGGACCAGCATGCCTAATCATTCTTG
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TGGATCTTTGGGTTCTCCATGTTGTGCACGCATCAGTGGTTACAGCTTACCTCTTCACAGTCAGCAATG
CTTCCAGGGGATGTTCAATTTTTTATTCTGTGTGTTTTATCTAGAAAGATTCAAGAAGAATATTACAG
ATTGTTCAAAAATGTCCCTGTTGTTTTGGATGTTAAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223172 representing NM_022159
Red=Cloning site Green=Tags(s)

MKRLPLL VVFSTLLNCSYTNCTKTPCLPNAKCEIRNGIEACYCNMGFSNGVITICEDDNECGNL TQSCG
 ENANCTNTEGSYYCMCVPGFRSSSNQDRFITNDGTVCIEVNVNANCHLDNVCAANINKTLTKIRSIKEPV
 ALLQEVYRNSVTDLSPTDIITYIEILAESSLLGYKNNTISAKDTLSNSTLTFVKT VNNFVQRDTFVWW
 DKLSVNHRRTHLTKLMHTVEQATLRISQSFQKTTEFDTNSTDIALKVFFFD SYNMKHIHPHMNDGDYIN
 IFPKRKAAYDSNGNVAVAFLYYKISIGPLLSSSDNFLLKPQNYDNSEEEERVISSVISVSMSSNPPTLYEL
 EKITFTL SHRKVTDRYRSLCAFWNYSPTDMNGSWSSEGCELTYSNETHTSCRCNHLTHFAILMSSGSPSIG
 IKDYNILTRITQLGIIISLICLAICIFTFWFFSEIQSTRTTIHKNLCCSLFLAELVFLVGINTNTNKLFC
 SIIAGLLHYFFLAFAWMCIEGIHLYLIVVGVYKNGFLHKNFYIFGYLSPAVVVGFSALGYRYYGTTK
 VCWLSTENNF IWSFIGPACLIILVNLLAFGVIIYKVFRHTAGLKPEVSCFENIRSCARGALALLFLLGTT
 WIFGVLHVHASVVTAYLFTVSNAFQGMFIFLFLCVLSRKIQEEYRFLFKNVPCCFGCLR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6122_c02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



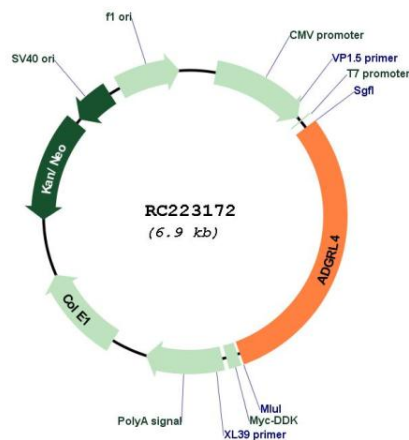
ACCN: NM_022159

ORF Size: 2070 bp

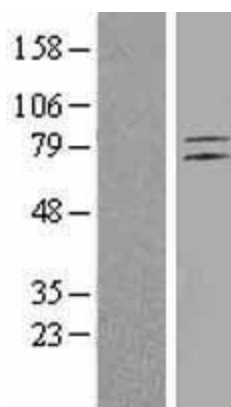
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<ol style="list-style-type: none"> 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:	<u>NM_022159.3, NP_071442.2</u>
RefSeq Size:	3619 bp
RefSeq ORF:	2073 bp
Locus ID:	64123
UniProt ID:	<u>Q9HBW9</u>
Cytogenetics:	1p31.1
Domains:	GPS, 7tm_2, EGF_CA, EGF
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	77.6 kDa
Gene Summary:	Endothelial orphan receptor that acts as a key regulator of angiogenesis.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC223172



Western blot validation of overexpression lysate (Cat# [LY402915]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223172 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).