

Product datasheet for **RC227634**

LFA3 (CD58) (NM_001144822) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LFA3 (CD58) (NM_001144822) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LFA3
Synonyms: ag3; LFA-3; LFA3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC227634 representing NM_001144822
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTGCTGGGAGCGACGCGGGCGGGCCCTGGGGTCTCAGCGTGGTCTGCCTGCTGCACTGCTTTG
GTTTCATCAGCTGTTTTCCCAACAAATATATGGTGTGTATGGGAATGTAACTTCCATGTACCAAG
CAATGTGCCTTTAAAAGAGGTCTATGGAAAAACAAAAGGATAAAGTTGCAGAAGTGGAAAATTCTGAA
TTCAGAGCTTTCTCATCTTTAAAAATAGGTTTATTTAGACTGTGTCAGGTAGCCTCACTATCTACA
ACTTAACATCATCAGATGAAGATGAGTATGAAATGGAATCGCAAATATTACTGATACCATGAAGTTCTT
TCTTTATGTGCTTGAGTCTCTTCCATCTCCCACTAACTTGTGCATTGACTAATGGAAGCATTGAAGTC
CAATGCATGATACCAGAGCATTACAACAGCCATCGAGGACTTATAATGTACTCATGGGATTGTCCTATGG
AGCAATGTAAACGTAACCAACCAGTATATATTTAAGATGGAAAATGATCTTCCACAAAAAATACAGTG
TACTCTTAGCAATCCATTATTTAATAACAACATCATCAATCATTTTGACAACCTGTATCCCAAGCAGCGGT
CATTCAAGACACAGATATGCACTTATACCCATACCATTAGCAGTAATTACAACATGTATTGTGCTGTATA
TGAATGGTATTCTGAAATGTGACAGAAAACCAGACAGAACCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC227634 representing NM_001144822
Red=Cloning site Green=Tags(s)

MVAGSDAGRALGVL SVVCLLHCFGFISCF SQIYGVVYGNVTFHVPSNVPLKEVLWKKQKDKVAELENSE
 FRAFSSFKNRVYLDTVSGSLTIYNLTSSDEDEYEMESPNI TDTMKFFLYVLESLPPTLTCAL TNGSIEV
 QCMIP EHYNSHRGLIMYSWDCPMEQCKRNSTSIYFKMENDLPQKI QCTL SNPLFNTTSSII LTTCIPSSG
 HSRHRYAL IPIPLAVITTCIVLYMNGILKCDRKPDRTK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8006_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001144822

ORF Size: 744 bp

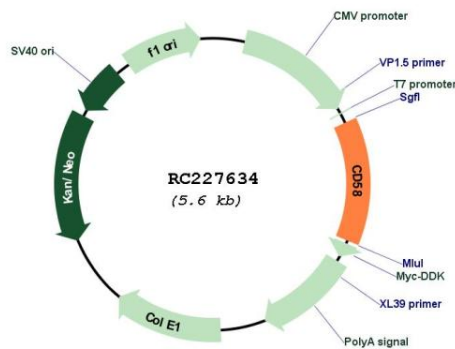
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

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|-------------------------------|---|
| 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_001144822.1, NP_001138294.1</u> |
| RefSeq ORF: | 747 bp |
| Locus ID: | 965 |
| UniProt ID: | <u>P19256</u> |
| Cytogenetics: | 1p13.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Cell adhesion molecules (CAMs) |
| MW: | 27.8 kDa |
| Gene Summary: | This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a ligand of the T lymphocyte CD2 protein, and functions in adhesion and activation of T lymphocytes. The protein is localized to the plasma membrane. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2009] |

Product images:



Circular map for RC227634