

## Product datasheet for **RG220644**

### LFA3 (CD58) (NM\_001779) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LFA3 (CD58) (NM_001779) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD58
Synonyms:	ag3; LFA-3; LFA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220644 representing NM_001779 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTGCTGGGAGCGACGCGGGCGGGCCCTGGGGTCTCAGCGTGGTCTGCCTGCTGCACTGCTTTG  
GTTTCATCAGCTGTTTTCCCAACAAATATATGGTGTGTATGGAAATGTAACTTCCATGTACCAAG  
CAATGTGCCTTTAAAAGAGGTCTATGGAAAAACAAAAGGATAAAGTTGCAGAAGTGGAAAATTCTGAA  
TTCAGAGCTTTCTCATCTTTAAAAATAGGTTTATTTAGACTGTGTCAGGTAGCCTCACTATCTACA  
ACTTAACATCATCAGATGAAGATGAGTATGAAATGGAATCGCAAATATTACTGATACCATGAAGTTCTT  
TCTTTATGTGCTTGAGTCTCTTCCATCTCCCACTAACTTGTGCATTGACTAATGGAAGCATTGAAGTC  
CAATGCATGATACCAGAGCATTACAACAGCCATCGAGGACTTATAATGTACTCATGGGATTGTCCTATGG  
AGCAATGTAAACGTAACCAACCAGTATATATTTAAGATGGAAAATGATCTTCCACAAAAAATACAGTG  
TACTCTTAGCAATCCATTATTTAATAACAACATCATCAATCATTTTGACAACCTGTATCCCAAGCAGCGGT  
CATTCAAGACACAGATATGCACTTATACCCATACCATTAGCAGTAATTACAACATGTATTGTGCTGTATA  
TGAATGGTATTCTGAAATGTGACAGAAAACCAGACAGAACCAACTCCAAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG220644 representing NM\_001779  
Red=Cloning site Green=Tags(s)

MVAGSDAGRALGVLVSVCLLHCFGFISCFSQIYGVVYGNVTFHVPSNVPLKEVLWKKQKDKVAELENSE  
 FRAFSSFKNRVYLDTVSGSLTIYNLTSSDEDEYEMESPNI TDTMKFFLYVLESLPSTLTAL TNGSIEV  
 QCMIP EHYNSHRGLIMYSWDCPMEQCKRNSTSIYFKMENDLPQKIQCTL SNPLFNTTSSII LTTCCIPSSG  
 HSRHRYALIP IPLAVITTCIVLYMNGILKCDRKPDR TNSN

TRTRPLE - GFP Tag - V

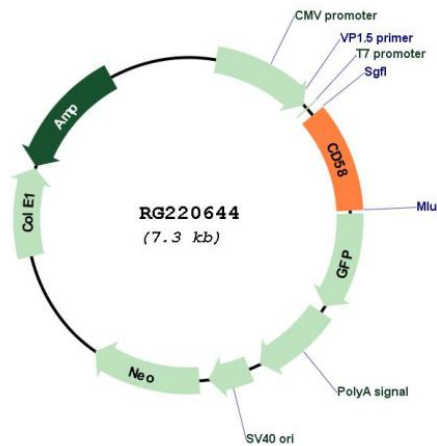
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001779

**ORF Size:** 1150 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001779.3</a>
<b>RefSeq Size:</b>	1040 bp
<b>RefSeq ORF:</b>	753 bp
<b>Locus ID:</b>	965
<b>UniProt ID:</b>	<a href="#">P19256</a>
<b>Cytogenetics:</b>	1p13.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs)
<b>Gene Summary:</b>	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]