

Product datasheet for **MG225584**

Sell (NM_001164059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sell (NM_001164059) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sell
Synonyms:	AI528707; CD62L; L-selectin; LECAM-1; Lnhr; Ly-22; Ly-m22; Lyam-1; Lyam1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225584 representing NM_001164059 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTTCATGGAGATGTGAGGGTACTTACTGGGGCTCGAGGAACATCCTGAAGCTGTGGGTCTGGA
CACTGCTCTGTTGTGACTTCTGATACACCATGGAACACTGTTGGACTTACCATTATTCTGAAAAAGCC
CATGAACTGGGAAAATGCTAGAAAGTTCTGCAAGCAAAATTACACAGATTTAGTCGCCATACAAAACAAG
AGAGAAATTGAGTATTTAGAGAATACATTGCCAAAAGCCCTTACTACTGGATAGGAATCAGGAAAA
TTGGGAAAATGTGGACATGGGTGGGAACCAACAAAACCTCACTAAAGAAGCAGAGAACTGGGGTCTGG
GGAGCCCAACAACAAGAAGTCCAAGGAGGACTGTGTGGAGATCTATATCAAGAGGGAACGAGACTCTGGG
AAATGGAACGATGACGCCTGTCAAAAACGAAAGGCAGCTCTCTGTACACAGTGGTCCAGTGTGAGCCTT
TGGAGGCCCTGAGTTGGGTACCATGGACTGCATCCACCCCTTGGGAAACTTCAGCTTCCAGTCCAAGTG
TGCTTTCAACTGTTCTGAGGGAAGAGAGCTACTTGGGACTGCAGAAACACAGTGTGGAGCATCTGGAAAC
TGGTCACTCCAGAGCCAATCTGCCAAGTGGTCCAGTGTGAGCCTTTGGAGGCCCTGAGTTGGGTACCA
TGGACTGCATCCACCCCTTGGGAAACTTCAGCTTCCAGTCCAAGTGTGCTTTCAACTGTTCTGAGGGAAG
AGAGCTACTTGGGACTGCAGAAACACAGTGTGGAGCATCTGAAACTGGTCACTCCAGAGCCAATCTGC
CAAGAGACAAACAGAAGTTTCTCAAAGATCAAAGAAGGTGACTACAACCCCTTTCATTCTGTAGCCG
TCATGGTCACCGCATTCTCGGGGCTGGCATTCTCATTGGCTGGCAAGCGGTTAAAAAAGGCAAGAA
ATCTCAAGAAAGGATGGATGATCCATAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225584 representing NM_001164059
 Red=Cloning site Green=Tags(s)

MVFPWRCEGYWGSRNILKLWVWTLCCDFLIHHGTHCWTYHYSEKPMNWENARKFKQNYTDLVAIQNK
 REIEYLENTLPKSPYYYWIGIRKIGKMTWVGTNKTLTKEAENWGAGEPNKKSKEDCVEIYIKRERDSG
 KWND DACHKRKAALCYTVVQCEPLEAPELGTMDCIHPLGNFSFQSKCAFNCSEGRELLGTAETQCGASGN
 WSSPEPICQVVQCEPLEAPELGTMDCIHPLGNFSFQSKCAFNCSEGRELLGTAETQCGASGNWSSPEPIC
 QETNRSFSKIKEGDYNPLFIPVAVMVTAFSGLAFLIWLARRLKKGKKSQERMDDPY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001164059

ORF Size: 1008 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_001164059.1](#), [NP_001157531.1](#)

RefSeq Size: 2213 bp

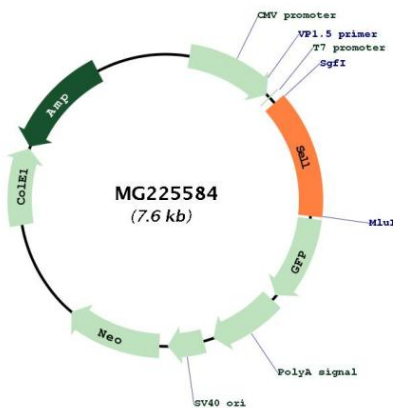
RefSeq ORF: 1011 bp

Locus ID: 20343

Cytogenetics: 1 71.37 cM

Gene Summary: Calcium-dependent lectin that mediates cell adhesion by binding to glycoproteins on neighboring cells. Mediates the adherence of lymphocytes to endothelial cells of high endothelial venules in peripheral lymph nodes (PubMed:1693096). Promotes initial tethering and rolling of leukocytes in endothelia (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225584