

Product datasheet for **MG226764**

Selp (NM_011347) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Selp (NM_011347) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Selp
Synonyms:	CD62P; GMP-140; Grmp; LECAM3; PADGEM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226764 representing NM_011347
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCTGGCTGCCAAAAGGTTCTTGACGCCAAGACTCCGGAGTGTGATCCTGGGAGGGGCTCAACTCA
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 CACAAAGGCATACTCATGGAATAACTCACGGGTGTTCTGTAGGAGGCACTTCACAGACTTAGTGGCCATC
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 GGCCGACAACGAGCCCAACAACAAGAACAATCAGGACTGTGTGAGATCTACATCAAGAGTAACTCG
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

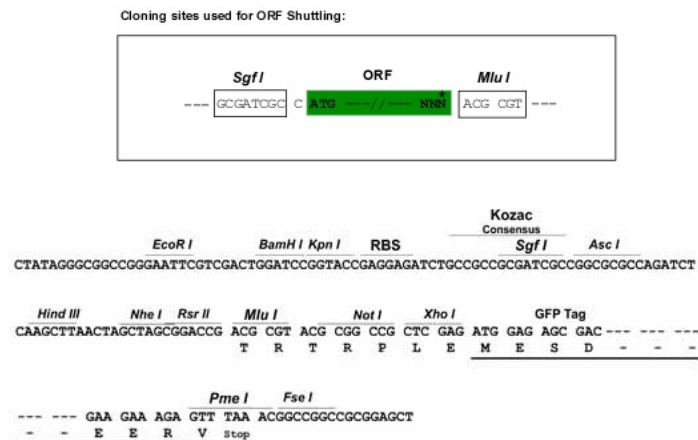
Protein Sequence: >MG226764 representing NM_011347
 Red=Cloning site Green=Tags(s)

MAGCPKGSWTPRLRSVILGGAQLIWFSAISELVNQKEVAAWTYNYSTKAYSWNNSRVFCRRHFTDLVAI
 QNKNEIAHLNDVIPFFNSYYWIGIRKINNKTWVGNTKLTTEEENWADNEPNNKNNQDCVEIYIKSNS
 APGKWNDPECFKRKRALCYTASQDMSCSNQGECIETIGSYTCSYCPGFYGPCEYVKECGKVNIPQHVL
 MNCSHPLGEFSFNSQCTFSCAEGYELDGPGEQLCLASGIWTNNPPKCDVQCQSLQAPPHGTMACMHPIA
 AFAYDSSCKFECQPGYRARGSNLHCTGSGQWSEPLPTCEAIACEPPEIPIHGSMDVSTGTGFGYNSSC
 TFLCAEGFVLKGNDAIQCADSGQWTAPAPFCEALQCPEFPVPSKAQVNCSDPFGTLTYQSVCSFSCDEGS
 LLVGASVIRCLATGHWNGAPPECQAVSCAPMLSPENGSMTCVQLGNSTYKSTCQFMCEGDFYLSGPERL
 DCSPSGHWGTPTCEAIKCPGIFAPEQGNLDCSHVHGEFGVGSICHFSNEDFELLGSENVECTVSGRW
 SAPPTCKGITSLPAPAVRCPALTPGQGTMSCQHHLGSGFNPTTCYFGCKTGFTLRGANSRLCRASGQW
 TAVTPMCAVKCSELHMDTAVAMNCSNPWGNFSYGSTCTFQCPEGQSLNGSVRATCREGHWSDAMPPTCQ
 AGTLTIQEALTYLGGAVASTTGLAVGGTLLALLRKRLKKDDGKCPLNPHSHLGTYGVTNAAYDPTP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011347

ORF Size: 2304 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_011347.2](#)

RefSeq Size: 3075 bp

RefSeq ORF: 2307 bp

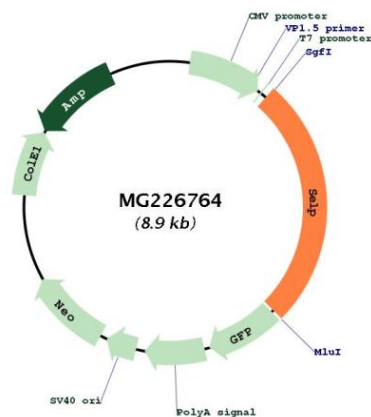
Locus ID: 20344

UniProt ID: [Q01102](#)

Cytogenetics: 1 71.42 cM

Gene Summary: Ca(2+)-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. Mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. Mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with SELPLG.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG226764