

Product datasheet for **RR209231**

Siglec5 (NM_001106249) Rat Tagged ORF Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Siglec5 (NM_001106249) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Siglec5 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RR209231 representing NM_001106249
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGGGCACAGCTGCTGCCCTGCTGTGGGCAGGGTCCCTGGCCGTGGAGAATTATGAGCTCTCAT
 TGAATCAGTGACGGTGCAGGAGGGTCTGTGCGTCTTTGTACCCTGCCAAGTCAAGTACCCTGCCTC
 CGGGGTTCTGTTTTGGCTACTGGTCCAGGATGGGGCCAACACAAACCTCAACTCTCCAGTGGCTACA
 AATGACCCACATCGACCAGTACAGCAGGAACTCAAGGTCGTTTCTATCTCGTGGGGGCATAGATACTA
 AAAATTGCTCCCTGGACATCAGAGACGCACGAAAAGTACACAGGAAAGTACTTCTCAGGTTGGATGG
 AAGTGTGAAATACAGTTCCGGAATCGGATGCTCTCTGTGCATGTGACAGCTCTGACTAAGACCCCTAAC
 CTCAAGTACATCTACCCTGGTGTCTGGCACTTCTACCCGAGTATCTGTTCTGTGCTCTGGCCCTGTG
 AGCAGGGGACACCCCATCTTTTCTGGATGTCATCTGCCCTCACTTCCCTGGCCGCAGAACCATCTCT
 CTCTCAGAGCTGAACCTCACACCTAGGCTCAGGACAACGGCACCAACCTCATCTGTGAGTGACCTTC
 CCTGGTGTGGTGTACTGTGGAGAGGACTCAACAGCTCAGTGTACCTATGCTCCACAGAAGCTGACCA
 TCAGGGTGTCTGGGGAGATGGCACAGAACTAAAGTCTGCAGAGTGGAGCATCTCTGCAGATCCAAGA
 GGGTGAGTCCCTGCGCTGGTCTGTGTGGCAGACGCAACCCCTCTGCCATGCTGAGCTGGAAGCGCCAG
 ACCCAGAAGAAGTCCGGCTCTTAAGGGTGTGAAGTCAACTGCCACGGTGGAGTTGGAGGACCAGG
 GAAAATACATCTGCCAGGCTAAGAACAGTCTGGGTACTCAGACAGCCTCTGTGAGCCTCAGCATAAGGAG
 CCTTCTACAGTGTCTGGCACCCTCTGCTCCTGGGATTCTGAGGGTCTGCACTGCAGTGTCTCTCCAGA
 GCCTGGCCTGCCCGTCCCTGGGCTGGCGGTGGGGAGGGGCTGCTGGAGGAAACAGCAGCAATGCCT
 CCTTACAGTTATGTCCAGCTCTGCAGGACCGTGGTCAACAGCTCCCTGAGCCTCAGTGTGGAATTCAG
 CACTGACCACAGACTCAGCTGTGAAGTGGAAAGTACTATGGAGTTCAGAGAGCCACTATCGTGTGGTT
 CCAGGACAAGGAGTCTCACAGGCAAAATCAGAAACAGTGGAGGAGCGGTTACAGGGGCCATCTGGGGAG
 CTGGTCTTATGGCTTTGCTGTCTCCTTCTGCCTCATCTTCTCATAGTGAAGTTCTCAGGAAGAA
 ATCAGCATTGGAAGTAGCAGCCATGGAAGGCAACACCTTGCCAAGAACCTTGTCTCCACCATAAATAGT
 GCAAGCATGATTCGTCACATTCATTGAGATACCCCATCCAGGATCATCTGAATGAATCAGAGTAC
 AGACCCAGAAAGAAGAGCCACTTGGCACAGCCCGAGACATCCAAAGGATGAGCCCGAAGTCTACTA
 TGCTCCTCTCCTTCAAGTCCGAGGCCCGAGCAGCCAAAGAACACGGAGACCATCAAGTCTGTTTAC
 ACAGAGATCAAGATTCACAAGCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209231 representing NM_001106249
 Red=Cloning site Green=Tags(s)

MLWAQLLPLLWAGSLAVENYELSLTESVTVQEGLCVFVPCQVKYPASGGSVFGYWFQDGANTNLNSPVAT
 NDPHRPVQETQGRFYL VGGIDTKNCSLDIRDARKSDTGKYYFRLDGSVKYSFRNRMLSVHVTALTKTPN
 LQVTSTLVSGTSTRVICSVLWACEQGTPIFSWMSSAL TSLGRRTILSSELNLTTPRPQDNGTNLICQVTF
 PGAGVTVERTQQLSVTYAPQKL TIRVSWGDTETKVLQSGASLQIQEGESLRLVCVADSNPSAML SWKRQ
 TQKNFRLSKGDELQLPRVELEDQKYICQAKNSLGTQTASVLSIRSLQLLAPSCSWDSEGLHSCSSR
 AWPAPSLGWRLGEGLEGNSSNASFTVMSSSAGPWVNSLSL SVEFSTDHRLSCEAWNDYGVQRATIVLV
 PGQGVSDKSETSGGAVQGAIWAGLMALLAVSFCLIFFIVKFLRKKSALEVAAMEGNHLAKNLVSTINS
 ASMISNIPLRYP IQDHLNESESQTQKEEPLATAPDIPKDEPELHYASLSFQGRPRPQPKNTETIKSVY
 TEIKIHKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

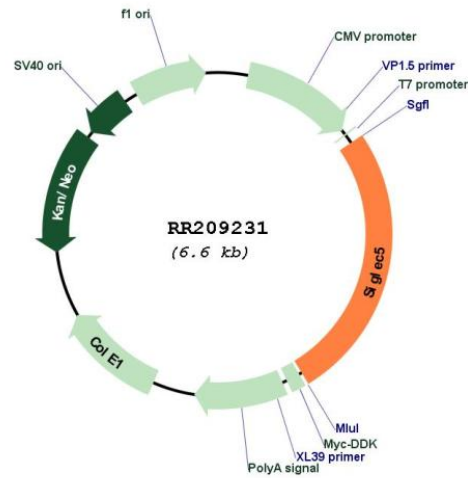
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001106249

| | |
|-------------------------------|---|
| ORF Size: | 1704 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: | NM_001106249.2 , NP_001099719.2 |
| RefSeq Size: | 2474 bp |
| RefSeq ORF: | 1707 bp |
| Locus ID: | 292843 |
| Cytogenetics: | 1q22 |
| MW: | 62 kDa |