

Product datasheet for SC325059

SIGIRR (NM_001135053) Human Untagged Clone

Product data:

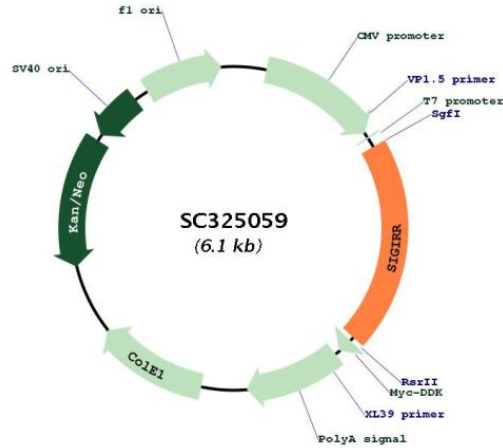
| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SIGIRR (NM_001135053) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SIGIRR |
| Synonyms: | IL-1R8; TIR8 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC325059 representing NM_001135053. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAGGTGTCTGTGATAGGGCCCTGACTTCCTCTCCCGTCTGAAGACCAGGTGCTGAGGCCTGCC
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GTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGCCACTACAGCCTCCACGACTACTCCTGG
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TCGCGAAACTACAGTGGCCGACAGACTTCTACTGCCTGGTGTCCAAGGATGATATGTAG
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ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-RsrII



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Plasmid Map:


ACCN: NM_001135053

Insert Size: 1233 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001135053.1](#)

RefSeq Size: 1688 bp

RefSeq ORF: 1233 bp

Locus ID: 59307

UniProt ID: [Q6IA17](#)

Cytogenetics: 11p15.5

Protein Families: Transcription Factors, Transmembrane

MW: 45.7 kDa

Gene Summary: Acts as a negative regulator of the Toll-like and IL-1R receptor signaling pathways. Attenuates the recruitment of receptor-proximal signaling components to the TLR4 receptor, probably through an TIR-TIR domain interaction with TLR4. Through its extracellular domain interferes with the heterodimerization of IL1R1 and IL1RAP.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.