

Product datasheet for RN203114

Sigirr (NM_001024887) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sigirr (NM_001024887) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sigirr
Synonyms:	RGD1306732
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203114 representing NM_001024887 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGGTGCTGTGACAGGGTCCCTAATTTCTTTCCCATCTGAAGACCAAGCCCTGGGACCTGCC
TTGGCAGTGCAGTTGCTTTGAATTGCACAGCTTGGGTGTTCTCTAGGCCCAAGTGTCCAGCCATCAGT
ACAATGGCTAAAAGATGGTCTGGCATTGGGCAATGGAAGCCACTTCAGCCTCCATCAAGACTTCTGGGTC
AGTGACAACCTTCTCGGAGATTGTGTCCAGTGTTCTGGTGTCAACTTGACCAAAGCTGAGGACTATGGAA
CCTTCACTTGTCTGCCTGGAACGTCAGCTCCCACTCCTTCACTCTCTGGCGAGCTGGCCCTGCCGGCCA
TGTGGCTGCGGTGCTGGCTTCCCTCCTTGTCTAGTGGTCTGCTGCTGGTGGCCCTTCTCTATGTTAAG
TGTGCTGTAACGTGCTGCTTTGGTACCAAGACACTTACGGGGAGGTAGAGATGAATGATGGGAAGTTAT
ACGATGCGTACGTGCTATAGCGACCGCCAGAGGACCGCAAATTTGTAATTTTATTCTGAAGCCTCA
GTTGGAGCGGCGTCGGGGATAACAAGCTCTTCTAGAGGACCGGACCTCTTGGCCGAGCGGAGCCCTCT
GCCGACCTTTTGGTGAACCTGAGTCGCTGTCGGCGTCTCATCGTGGTTCTTTAGATGCCCTTCTCAGAG
GTCCCTGGTGTAGCCAGAGCTTCCGGGAGGGACTGTGCCGCTACTGGAGCTACCCGAGACCTATCTT
TATCACCTTCGAGGGCCAGAGGCGTGAGCCATTACCCCTGCTCTCCGCTCTCTGCGCCAGCACCAGCCAC
CTCGTGACCCTGCTGCTTTGGAAGCCTGGCTCCGTGACACCTTCTCTGATTTTTGGAAAGACTACAGT
TGGCACTACCACGGAAGGTGCAATACAGACCCGTGGAGGGAGACCCCAAACCCGACTTCAGGATGACAA
AGATCCCATGCTAATCGTGAGAGGACGTGCTGCCAGGGCCGGCCATGGAGTCAGAGCTGGATCCAGAC
CCTGAGGGAGACCTGGGTGTCCTGGACCTGTCTTTGGGAGCCACCAACTCCACTACACGAAAGCAAGG
TCTCCATAGGAGAGGGCCATGCCAGTGAATGGATGTCTCTGACCTTGGCTCTCGAAACTACAGTGGCG
AACAGACTTCTACTGCCTTGTGTCTGAGGATGACGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001024887
Insert Size:	1230 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).
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:	<u>NM_001024887.1</u> , <u>NP_001020058.1</u>
RefSeq Size:	1634 bp
RefSeq ORF:	1230 bp
Locus ID:	309106
UniProt ID:	<u>Q4V892</u>
Cytogenetics:	1q41
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 (By similarity).[UniProtKB/Swiss-Prot Function]