

Product datasheet for **RR203114**

Sigirr (NM_001024887) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sigirr (NM_001024887) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sigirr
Synonyms: RGD1306732
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203114 representing NM_001024887
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGTGCTGTGACAGGGTCCCTAATTTCTTTCCCATCTGAAGACCAAGCCCTGGGACCTGCC
TTGGCAGTGCAGTTGCTTTGAATTGCACAGCTTGGGTGTTCTCTAGGCCCAAGTGTCCAGCCATCAGT
ACAATGGCTAAAAGATGGTCTGGCATTGGGCAATGGAAGCCACTTCAGCCTCCATCAAGACTTCTGGGTC
AGTGACAACCTTCTCGGAGATTGTGTCCAGTGTTCTGGTGTCAACTTGACCAAAGCTGAGGACTATGGAA
CCTTCACTTGTCTGCCTGGAACGTCAGCTCCCACTCCTTCACTCTCTGGCGAGCTGGCCCTGCCGCCA
TGTGGCTGCGGTGCTGGCTTCCCTCCTTGTCTAGTGGTCTGCTGCTGGTGGCCCTTCTCTATGTTAAG
TGTGCTGAACGTGCTGCTTTGGTACCAAGACACTTACGGGGAGGTAGAGATGAATGATGGGAAGTTAT
ACGATGCGTACGTGCTTATAGCGACCGCCAGAGGACCGCAAATTTGTAATTTTATTCTGAAGCCTCA
GTTGGAGCGGCGTCGGGGATAACAAGCTCTTCTAGAGGACCGGACCTTGGCCGAGCGGAGCCCTCT
GCCGACCTTTTGGTGAACCTGAGTCGCTGTCGGCGTCTCATCGTGGTCTTTTCAGATGCCTTCTCAGAG
GTCCCTGGTGTAGCCAGAGCTTCCGGGAGGGACTGTGCCGCTACTGGAGCTACCCGAGACCTATCTT
TATCACCTTCGAGGGCCAGAGGCGTGAGCCATTACCCCTGCTCTCCGTCTCCTGCGCCAGCACCGCCAC
CTCGTGACCCTGCTGCTTTGGAAGCCTGGCTCCGTGACACCTTCTCTGATTTTTGGAAAGACTACAGT
TGGCACTACCACGGAAGGTGCAATACAGACCCGTGGAGGGAGACCCCAAACCCGACTTCAGGATGACAA
AGATCCCATGCTAATCGTGAGAGGACGTGCTGCCAGGGCCGGCCATGGAGTCAGAGCTGGATCCAGAC
CCTGAGGGAGACCTGGGTGTCCTGGACCTGTCTTTGGGAGCCACCAACTCCACTACACGAAAGCAAGG
TCTCCATAGGAGAGGGCCATGCCAGTGAATGGATGTCTCTGACCTTGGCTCTCGAAACTACAGTGCCGG
AACAGACTTCTACTGCCTGTGTCTGAGGATGACGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



ORF Size:	1227 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_001024887.1 , NP_001020058.1
RefSeq Size:	1634 bp
RefSeq ORF:	1230 bp
Locus ID:	309106
UniProt ID:	Q4V892
Cytogenetics:	1q41
MW:	46.2 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 (By similarity).[UniProtKB/Swiss-Prot Function]