

Product datasheet for **MR212579**

Cactin (NM_027381) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cactin (NM_027381) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cactin
Synonyms:	2510012J08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR212579 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCGGCGCGGCCGCAAAATGGGTCGGGACTCTCGCTCGCGCTCACGGTCTGTGGTTCGAGGGGTC
 GGAAGCAGCGGAGTCGAAGCCGGGGCCGGAGCCGAGCCGGAGTCGGAGTCGGAGTCGGAGCCGGAGCCG
 GAGCCGGAGCCGGAGCCGGAGCCATGGGCGGAGCAGCCGAAGGCGACGGGAACACGAGCGCGGCCGAA
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 GAAGCGTGCAGCGGACTGGCCAAGAAGGAAGCTAAGGAACGCAAGAAGCGGGAGAAGATGGGCTGGGGT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212579 protein sequence
 Red=Cloning site Green=Tags(s)

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MRGAGRQMGDRSRSRSVGRGRKQRSRSRGRSRSRSRSRSRSRSRSRSHGRSSRRRREHERRRE
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DSPRRSRSPGTATLALSQQSLQERLRLREERKQEEELLKAFETPEEKRRARLAKKEAKERKKREKMGWG
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PYTFLNGLTVADMEDLLEDIQVYMELEQGKNVDFWRDMMTITEDI AKLRKLEASGKGPGERREGVNASV
SSDVQSVFKGKTYNQLQVIFQGI EGKIRAGGNLDMGYWESLLQQLRAHMARARLRERHQDVL RQKLFKL
KQEQGVESEPLFPILKSEPSAAHSPEPEERPPSPGTSVDPVEPVEPEEATAPGEAEGEAEGEAVLMEEDL
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RR
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

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_027381.1](#), [NM_027381.2](#), [NP_081657.1](#)

RefSeq Size: 2724 bp

RefSeq ORF: 2319 bp

Locus ID: 70312

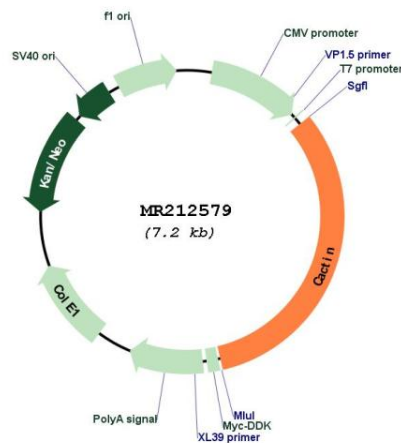
UniProt ID: [Q9CS00](#)

Cytogenetics: 10 C1

MW: 90.7 kDa

Gene Summary: Involved in the regulation of innate immune response. Acts as negative regulator of Toll-like receptor and interferon-regulatory factor (IRF) signaling pathways. Contributes to the regulation of transcriptional activation of NF-kappa-B target genes in response to endogenous proinflammatory stimuli. May play a role during early embryonic development. Probably involved in pre-mRNA splicing (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212579