

Product datasheet for **SC108546**

SARM (SARM1) (NM_015077) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SARM (SARM1) (NM_015077) Human Untagged Clone
Tag:	Tag Free
Symbol:	SARM
Synonyms:	hSARM1; HsTIR; MyD88-5; SAMD2; SARM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>SC108546 representing NM_015077.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015077 unedited
 TTTGTATACGACTCACTATAGGCGGCCGCGAAATTCGCACGAGGACAAGCTGTGTCGCTT
 CTTTCGCCATGTCGGGCCACGGCCGGCGCCGAGCGGCTGGCGGTGCCTGGGCCAGATGG
 GGGCGTGGCACGGGCCATGGTGGGCTGCGGGTGGCCGGGCCCGCGAAGTGTGCGC
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 CGAACCCGTAAAGCTGGCGGGAGCGTGGCAGGCATCTTGGAGCACATGTTCAAGCATT
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 GCACGGGGCCAGCGGTGCANCGACGCATGGTAGAGAAACGCGCAGCCAGTGGCTCTT
 CCCGCTCGCCTTCTCAAGGGAGACGAGCTGCTTCGGCTGCACGCTGCCTTGCAGTAGC
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015077 unedited
 CCTGTATTGTTATTGGCGCTGTCTGTGAGGGCAGTGTCCAGGCTGCCCTGCTTGTGATA
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 TGGGGTCAAACCAAAGCATCGAGGCTGGCACTGGCCAAGACAGACTCTGGCAGGGAGGG
 GAGTGGAAAGGAAGGAGCCCAAACCTGGAGTGAGACCTTTGACTTCTGATGATGTGGCC
 AAGAACTAGGAGTCACCTGGCCAGCACAGCCAAGAGTGGGGCTGGGGGCGCAGCCAGCTT
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 GCCTGGGTTTATTGGAGGGTGTCTTACCCTCTGAACCCAGTGGAGGAGGGGGCAATG
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 CTGCTAGATTCTTTGAAGCAAGGAGAAGCAATAGCCAGCCTCAGAATGATTCTCAGGA
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 TAAAAATGGGGATGATAATACCNAGTAGAGTTGCTCTGATGACTGGAGACCATGGAGCGGA
 GTGTTTGGGAAATGGCAANAGATTGTGAGGGCTNCGTGCTTTANAGATTGCTACCTTA
 ACCACCAGCATCAGCTCACCTGGGAATCTGNTAGAATGCAGAGTCTANGCCCNACCCA
 GATCTNCTGATTTAAACAATTCCAGTACTGGNATGCATGNTAAAAGTGNAGAAGCTG
 NCCTAAGTGACAACCCTTTGCCTTTTCAGGGACTTGCCCTTNCCAGAGCTGCAGNTCTGT
 CTAGGCTGCTTACTGCATGGGGCTGNCTGGCCCTGAGTANCANTGGTANCCTGNATGCTN
 AGGGCTGGGAACCACTGNCCN

Restriction Sites:

SgfI-RsrII

ACCN:

NM_015077

Insert Size:

2280 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:	NM_015077.2
RefSeq Size:	6862 bp
RefSeq ORF:	2175 bp
Locus ID:	23098
UniProt ID:	Q6SZW1
Cytogenetics:	17q11.2
Domains:	TIR, SAM
Protein Families:	Druggable Genome
MW:	83.4 kDa
Gene Summary:	<p>Negative regulator of MYD88- and TRIF-dependent toll-like receptor signaling pathway which plays a pivotal role in activating axonal degeneration following injury. Promotes Wallerian degeneration an injury-induced axonal death pathway which involves degeneration of an axon distal to the injury site. Can activate neuronal death in response to stress. Regulates dendritic arborization through the MAPK4-JNK pathway. Involved in innate immune response. Inhibits both TICAM1/TRIF- and MYD88-dependent activation of JUN/AP-1, TRIF-dependent activation of NF-kappa-B and IRF3, and the phosphorylation of MAPK14/p38.</p> <p>[UniProtKB/Swiss-Prot Function]</p>