

Product datasheet for RG215903

SARM (SARM1) (NM_015077) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SARM (SARM1) (NM_015077) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: SARM

Synonyms: hSARM1; HsTIR; MyD88-5; SAMD2; SARM

Mammalian Cell Neomycin

Selection:

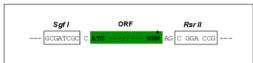
Vector: pCMV6-AC-GFP (PS100010)

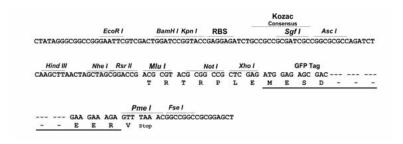
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:







ACCN: NM_015077

ORF Size: 2172 bp



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SARM (SARM1) (NM_015077) Human Tagged ORF Clone - RG215903

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: 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 015077.4</u>

 RefSeq Size:
 7001 bp

 RefSeq ORF:
 2175 bp

 Locus ID:
 23098

 UniProt ID:
 Q6SZW1

 Cytogenetics:
 17q11.2

Domains:

Protein Families: Druggable Genome

TIR, SAM

Gene Summary: Negative regulator of MYD88- and TRIF-dependent toll-like receptor signaling pathway which

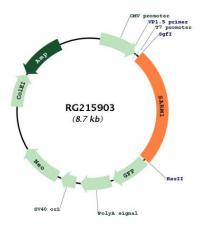
plays a pivotal role in activating axonal degeneration following injury. Promotes Wallerian degeneration an injury-induced axonal death pathway which involves degeneration of an axon distal to the injury site. Can activate neuronal death in response to stress. Regulates dendritic arborization through 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.

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RG215903