# SARM Blocking Peptide

## PRODUCT OVERVIEW

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| **Product Name** | SARM (SARM1), Blocking Peptide |
| **Full Product Name** | SARM Peptide |
| **Product Gene Name** | SARM1 blocking peptide |
| **Product Synonym Names** | SARM; SAMD2; MyD88-5; KIAA0524; SARM; Sterile alpha and TIR motif-containing protein 1; Sterile alpha and Armadillo repeat protein; sterile alpha and TIR motif containing 1 |
| **Form/Format** | Liquid |
| **Concentration** | 200 ug/mL (lot specific) |
| **Preparation and Storage** | Store SARM peptide at -20 degree C, stable for one year. |
| **Antibody/Peptide Pairs** | SARM peptide (MBS152890) is used for blocking the activity of SARM antibody (MBS150646) |
| **Molecular Weight** | 75,337 Da |
| **OMIM** | 607732 |
| **Species** | Human |
| **Buffer** | PBS pH 7.2 (10 mM NaH2PO4, 10 mM Na2HPO4, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide |
| **Location** | 16 amino acid peptide near the amino terminus of human SARM. |
| **Applications Tested/Suitable for SARM1 blocking peptide** | Blocking (BL) |
| **Application Notes for SARM1 blocking peptide** | SARM peptide is used for blocking the activity of SARM antibody. |
| **Related Product Information for SARM1 blocking peptide** | MBS152890 is a blocking peptide targeting SARM1. Also known as SARM Peptide. |
| **Other Notes** | Small volumes of SARM1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SARM1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 154090976 |
| **NCBI GeneID** | 23098 |
| **NCBI Accession #** | NP_055892 |
| **UniProt Primary Accession #** | Q6SZW1 |
| **UniProt Secondary Accession #** | O60277; Q7LGG3; Q9NXY5 |
| **UniProt Related Accession #** | Q6SZW1 |
| **GenBank Nucleotide #** | NM_015077.3 |
| **NCBI Official Full Name** | sterile alpha and TIR motif-containing protein 1 |

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| **NCBI Official Synonym Full Names** | sterile alpha and TIR motif containing 1 |
| **NCBI Official Symbol** | SARM1 |
| **NCBI Official Synonym Symbols** | SARM; SAMD2; MyD88-5 |
| **UniProt Protein Name** | Sterile alpha and TIR motif-containing protein 1 |
| **UniProt Synonym Protein Names** | Sterile alpha and Armadillo repeat protein; Sterile alpha motif domain-containing protein 2; MyD88-5; SAM domain-containing protein 2; Tir-1 homolog |
| **Protein Family** | Sterile alpha and TIR motif-containing protein |
| **UniProt Gene Name** | SARM1 |
| **UniProt Synonym Gene Names** | KIAA0524; SAMD2; SARM; MyD88-5; SAM domain-containing protein 2 |
| **UniProt Entry Name** | SARM1_HUMAN |
| **NCBI Protein Information** | sterile alpha and TIR motif-containing protein 1; tir-1 homolog; SAM domain-containing protein 2; sterile alpha and Armadillo repeat protein; sterile alpha motif domain-containing protein 2; sterile alpha and HEAT/Armadillo motif protein, ortholog of Drosophila |
| **UniProt Comments for SARM1** | SARM1: Involved in innate immnune response. Acts as a negative regulator of TICAM1/TRIF-dependent Toll-like receptor signaling by inhibiting induction of TLR3- and TLR4-dependent genes. Specifically blocks TICAM1/TRIF-dependent transcription-factor activation and gene induction, without affecting the MYD88- dependent pathway or non-TLR signaling. Negative regulator of NF- kappa-B and IRF activation. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Chromosomal Location of Human Ortholog: 17q11<br><br>Cellular Component: microtubule; mitochondrion; axon; cytoplasm; dendrite; extrinsic to mitochondrial outer membrane; synapse; cytosol; cell junction<br><br>Biological Process: regulation of apoptosis; MyD88-independent toll-like receptor signaling pathway; regulation of dendrite morphogenesis; toll-like receptor signaling pathway; response to glucose stimulus; innate immune response; toll-like receptor 3 signaling pathway; toll-like receptor 4 signaling pathway |
| **Research Articles on SARM1** | **1.** These results indicate that association of PINK1 with SARM1 and TRAF6 is an important step for mitophagy. |
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