

Product datasheet for **MC201060**

Slamf7 (BC011154) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slamf7 (BC011154) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slamf7
Synonyms: 19A, CS1, 19A24, CRACC
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC011154
CCTGAAAACGCTATGGCTCGTTTCTCAACGTACATCATCTTTACCTCTGTCTGTGCTCAGCTAACAGTCA
CAGCAGCTTCTGGAAGTCTGAAGAAGGTGGCCGGTGCCCTTGATGGATCTGTGACATTCAGTCTGAATAT
CACTGAAATAAAGTTGACTATGTTGTATGGACGTTCAACACATTCTTTCTTGCCATGGTAAAAAAGAG
GGCGTTACATCACAAGTAGTAACAAAGAAAGGATAGTCTTTCCAGATGGACTCTACTCCATGAAGCTCA
GCCAATTGAAGAAGAATGACTCTGGAGCCTACCGTGCAGAGATTTACAGTACATCGAGTCAGGCTTCCTT
AATCCAGGAGTATGTGCTGCATGTCTACAAGCATTGTCAAGGCCAAGGTCACCATAGATCGGCAAAGC
AACAGAATGGCACCTGCGTAATCAATCTGACATGTTCCACGGATCAGGACGGGGAGAATGTAACCTACA
GCTGGAAAGCTGTGGGCAGGGGACAATCAGTTTCATGATGGTGCCACCCTCTCCATCGCCTGGAGATC
AGGAGAGAAAGACCAGGCCTAACATGCATGGCCAGGAATCCAGTCAGCAACAGTTTCTCAACCCCGCTC
TTTCCCCAGAAGCTCTGTGAAGATGCTGCCACGGATCTAACTTCACTCAGGGGCATCCTATACATCCTGT
GCTTCTCAGCAGTGTCTATCCTATTTGCTGTCTTGTGACTATTTTTCATACTACGTGGATAAAGAAAAG
AAAAGAAAAGAAGACCAGAAGAAGATGCACCAACACATTTTATCCACTGTGCAGATCCCCAAAGTGGT
AAAGAGTCCCAGCTCCCTGCCTGCAAGGCCACTCGTGCCAAGGTCATTAAGCTTTGAAAATGTTATCTAG
ATGACAGCACTCCGCTCTCCAGAAAAAACAACAAAAAACAACCTGCAAAACAAACAAACCTCACC
ATTCTGAGCAGAAATGAAAATCTGTCAAAGACTGAATGTAATGTCTCCCCGACAGCCACATGTTT
GCATCCAGACAGAGAAGTTCAGGCTCAAGGGCTTTCAGGTACAATGACTCTTGGGGACTGGGATACAGC
CCATTCAGACATTCTGACTAAGAATCTCTATGCCATCCTGTCTCCGGTAATGATGAATGAGGCTGTG
CTCATAGGCAGTGGACTAATTTGTCTGATGAAGAATTTTTGACAAAGCGCAGCATCTAGGCTGTGGCAC
AGCCATGTTTCGCTGTTTTTATTACATTTATAGCTGTATGTAAATAATCTCAATCATTGATTCACAGAT
AAAAGACGCATAGACGCATAAAAATTAATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC011154
Insert Size: 885 bp



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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:	BC011154 , AAH11154
RefSeq Size:	1373 bp
RefSeq ORF:	885 bp
Locus ID:	75345
Cytogenetics:	1 H3
Gene Summary:	Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2 (PubMed:19648922). Mediates natural killer (NK) cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway (By similarity). Positively regulates NK cell functions by a mechanism dependent on the adapter SH2D1B. In addition to heterotypic NK cells-target cells interactions also homotypic interactions between NK cells may contribute to activation. However, in the absence of SH2D1B, inhibits NK cell function. Acts also inhibitory in T-cells (PubMed:19151721). May play a role in lymphocyte adhesion (By similarity). In LPS-activated monocytes negatively regulates production of proinflammatory cytokines (By similarity).[UniProtKB/Swiss-Prot Function]