

## Product datasheet for **SC215810**

### SLAMF7 (NM\_021181) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	SLAMF7 (NM_021181) Human 3' UTR Clone
Symbol:	SLAMF7
Synonyms:	19A; CD319; CRACC; CS1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_021181
Insert Size:	1674 bp



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**Insert Sequence:** >SC215810 3'UTR clone of NM\_021181  
 The sequence shown below is from the reference sequence of NM\_021181. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGCTATTTGCCATGAGAATGTTATCAGACAGCAGTGCCTCCCTAAGTCTCTGCTCAAAAAAAAA
ACAATTCTCGGCCAAAAGAAAACAATCAGAAGAATTCAGTATTGACTAGAAACATCAAGGAAGATG
AAGAACGTTGACTTTTTCCAGGATAAATTATCTCTGATGCTTCTTTAGATTTAAGAGTTCATAATTCC
ATCCACTGCTGAGAAATCTCTCAAACCCAGAAGGTTAATCACTTCATCCCAAAAATGGGATTGTGAA
TGTCAGCAAACCATAAAAAAGTGCTTAGAAGTATTCCTATAAAAATGTAATGCAAGGTCACACATAT
TAATGACAGCCTGTTGATTAATGATGGCTCCAGGTCAGTGTCTGGAGTTTCATCCATCCCAGGGCTT
GGATGTCAGGATTATACCAAGAGTCTTGCTACCAGGAGGGCAAGAAGACCAAAACAGACAGACAAGTCC
AGCAGAAGCAGATGCACCTGACAAAAATGGATGATTAATTGGCTCTATAAACTATGTGCCAGCACTA
TGCTGAGCTTACACTAATTGGTCAGACATGCTGTCTGCCCTCATGAAATGGCTCCTAAATGAATGAAT
ACTTTCATGAGCAGTTGTAGCAGGCCTGACCACAGATTCCAGAGGGCCAGGTGTGGATCCACAGGACT
TGAAGGTCAAAGTTCACAAAGATGAAGAATCAGGGTAGCTGACCATGTTTGGCAGATACTATAATGGAG
ACACAGAAGTGTGCATGGCCCAAGGACAAGGACCTCCAGCCAGGCTTCATTTATGCACCTGTGCTGCAA
AAGAAAAGTCTAGGTTTTAAGGCTGTGCCAGAACCATCCCAATAAAGAGACCGAGTCTGAAGTCACAT
TGTAATCTAGTGTAGGAGACTTGGAGTCAGGCAGTGAGACTGGTGGGCACGGGGGCAGTGGGTACT
TGTAACCTTTAAAGATGGTTAATTCATTCAATAGATATTTATTAAGAACCTATCGGCCCGGCATGGT
GGCTCACACCTGTAATCCAGCACTTTGGGAGGCCAAGTGGTGGTGCATCTGAGGTGAGGAGTCAA
GACCAGCCTGGCCAACATGGTGAAACCCCATCTCTACTAAAGATACAAAAATTTGCTGAGCGTGGTGGT
GTGCACCTGTAATCCAGCTACTCGAGAGGCCAAGGCATGAGAATCGCTTGAACCTGGGAGTGGAGGT
TGCAGTGAGCTGAGATGGCACCCTGCACTCCGCGCTAGGCAACGAGAGCAAACTCCAATACAAACAA
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ATCTCTTATACTTAAGTAAAAACATGGGGAAGGGGAAAGGGGAATGGCTGCTTTTGATATGTTCCCTG
ACACATATCTTGAATGGAGACCTCCCTACCAAGTATGAAAGTGTGAAAACTTAATAACAAATGCTT
GTTGGGAAGAATGGGATTGAGGATTATCTTCTCTCAGAAAGGCATTGTGAAGGAATTGAGCCAGATCT
CTCTCCCTACTGAAAACCTATTGTAGTAAAAAAGTCTCTTTACTATCTTAATAAAACAGATATTGT
GAGATTCACATACAAAA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_021181.5](#)

**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. Isoform 1 mediates NK cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway (PubMed:11698418). Positively regulates NK cell functions by a mechanism dependent on phosphorylated SH2D1B. Downstream signaling implicates PLCG1, PLCG2 and PI3K (PubMed:16339536). 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 (By similarity). May play a role in lymphocyte adhesion (PubMed:11802771). In LPS-activated monocytes negatively regulates production of proinflammatory cytokines (PubMed:23695528).[UniProtKB/Swiss-Prot Function]

**Locus ID:**

57823

**MW:**

63.1