

## Product datasheet for **SC214586**

### Stromal interaction molecule 1 (STIM1) (NM\_003156) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Stromal interaction molecule 1 (STIM1) (NM_003156) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	STIM1
Synonyms:	D11S4896E; GOK; IMD10; STRMK; TAM; TAM1
ACCN:	NM_003156
Insert Size:	1440 bp



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**Insert Sequence:** >SC214586 3'UTR clone of NM\_003156  
The sequence shown below is from the reference sequence of NM\_003156. 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
AAAATCTTTAAGAAGCCTCTTAAGAAGTAGGCAGGATGGGGTGGCAGTAAAGGGACAGCTTGTCTTCC
CTGGGTGTTCTGTCTCTCCTTCCCTCCCTTCTTCAAGATAACTGGCCCCAAGAGTGGGGCATGGGAAG
GGCTGGTCCAGGGGTCTGGGCACTGTACATACCTGCCCCCTCATCCTTGGGTCTTCAATTATTATTAT
TAAGTACCACCATGGCCTGCCTGCCCTGCCCTCCGTCCTCAACCATGGGCTGCTGTGCTACTCCCTCTC
CACTTCAGTGCATGTCTTAGTTGCTGTTCCCTCAGCTCCAGCTCCACCTCTGGGGTTCAGCTTCTGTG
TCTGCTGTCCCAGTTTTGAGGTTTGGTTTTCTGTTTCTGTCTCTTGTCTTTCGGGCTCCTCCCTCCCACC
ACTCCCCAACTTCCCTAGCAGTTGCAGGAAGATAGGACGAGTAGCTTCTGACATGTGTGCCTCAGAT
CTGTTCCACCCCACTCACAGTGGTTCTGTTTGTCCAGACTGGGGCTAGGGCCTAATCTTTGAAGTTTG
TTCTTTGGTATTGATGTGGGTGAGAAGGAGCCTCATCCTAATCTCACTCAGGCCTCCAGGATCCATGG
GGGAGTGAACCAATTCTCAGAGAAACCCACCAGAGACTTTTTAAAGAGAGGCCAGGCTTGGGAATGG
GTTGGGAGAGGCATCTGTTCAATTGGAGCATGAGTGGATGCCAGAACTGTAGGTTATAAGGCAGTCACTT
TTTCTCTACTCCCACCACACCTGCCTCCCTCTTACCCTGTCCCCCACACTGCAGGAGGATTTGT
CTTAAGAGGTGCTGCCCAAAGCTCCCCAAGCATCAATACTCTAGGGCTCAGGACAAGTGGCTCCCC
TGGCCAGGAGAGCCACAGCCATGATACAGGGCTCTTATGGAGCCCTGGAGTTGTTGGGCAAGGATGCTG
TCATTTTTTGAACCAAAAGACAAACAGGTTAAAAGGAAAAAAGTAATCTGAATTTCCCAAGTGCCTAC
GCTGCATATTTCCCTTGTAGATCCCATTTTCATGTTACTTTGTAGCCTTGGCCAGAGGCTCAAAAAGG
ACACAACCAAGTTTGGGGAAGGGTGGCTAAGGAAGATGGTATAGGTGAAGGCGGCTGTGTGACCACTTT
CCCCCACCTTCCACCCTCTAGACAACCTCTCCCTTACCTGTTTTTGTATGGCTGTAAGGTATTT
TTCCTCTGCCCACTCCCTGCCATACCTTTATCCTGGGATCCTATTTTGGGCTGGGGTGGGATACCT
GGGGCTGGTCTTAGGAGGGTGTAGGCTGCAGACTGCCTTGTACTCCCTGGACACCCTCAATGGGGTT
TTCTGTGTTATTTATAAAATCTTTGAAGTCCAATAAAGCATGTAGGAGATTTTAAACCA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

**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\\_003156.4](#)

**Summary:**

This gene encodes a type 1 transmembrane protein that mediates Ca<sup>2+</sup> influx after depletion of intracellular Ca<sup>2+</sup> stores by gating of store-operated Ca<sup>2+</sup> influx channels (SOCs). It is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region, as well as early hematopoiesis, by mediating attachment to stromal cells. Mutations in this gene are associated with fatal classic Kaposi sarcoma, immunodeficiency due to defects in store-operated calcium entry (SOCE) in fibroblasts, ectodermal dysplasia and tubular aggregate myopathy. This gene is oriented in a head-to-tail configuration with the ribonucleotide reductase 1 gene (RRM1), with the 3' end of this gene situated 1.6 kb from the 5' end of the RRM1 gene. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]

**Locus ID:**

6786

**MW:**

52.9