

## Product datasheet for **SC208056**

### Sumo 2 (SUMO2) (NM\_001005849) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Sumo 2 (SUMO2) (NM_001005849) Human 3' UTR Clone
Symbol:	Sumo 2
Synonyms:	HSMT3; Smt3A; SMT3B; SMT3H2; SUMO3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001005849
Insert Size:	2000 bp



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**Insert Sequence:** >SC208056 3'UTR clone of NM\_001005849  
 The sequence shown below is from the reference sequence of NM\_001005849. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
TTCCAACAGCAGACGGGAGGTGTCTACTGAAAAGGGAACCTGCTTCTTTACTCCAGAACTCTGTTCTTT
AAAGACCAAGATTACATTCTCAATTAGAAAACGCAATTTGGTTCCACCACATCTGACTACTACCGTA
TAGTTTTCTCTATTCTTTTCAATTTCCCCCTTCCCATTCCTTTATTGTACATAAAGTAACTGGTATATGT
GCACAAGCATATTGCATTTTTTTTTTTTTAACTAAACAGCCAATGGTATGTTTTGATTGACATCAAGT
GGAGACGGGATGGGAAAAATACTGATTCTGTGAAAATACCCCTTTCTCCATTAGTGGCATGCTCATT
CAGCTCTTATCTTTATATCCAGTAAGTATTTTGTCTCACTGTTTTAACAAAAAAAAAAAAACAACA
CATAAAAAATCCTTGCATACCTTGTCAATTGGAGAATTTAATGTTTTTCATTTATCATTGTAACCA
AGGACAATTTTAACTTTTTGTACGTAGCTGTTACATGTAGGGCAATCTGCTTTAAGTAGGGATAA
ATTACTCTAAAACAAAAAGAATCTAGATAGTTTTCCCTTCAAGTCAAGCGTCTTGTGTTAAATAA
ACTTCTGTTTTAAATGAGCTGTTTTCTTTATTCTGAGAAATATTAATAGAAAATTGAGGCTTAGAAA
AAACATAAATAGGCCTGCTTAGAAGTAACATTTCAAGAAGGAAATAAGCTACTTGGTGTCTGACAG
ACTGATACTGATGCCAAACAAAGAATAACAGTTTTATAAATATCACCTTGTTCAAAAGTTTCTCTAGG
TCCCATGTTAATATGCAAGTATACTAGCAGAAAAATTGGGCCATAGTATCGTGGATTTCCAGGATTTTT
CTGTATATTAAGTAGGCCACGGAGCATAGGGTATAGGGTAGCACATGTGGCAAGGAAAAAGTTCTGATT
TTGCCTTTGTGCTGATAAAACACTGAACCATTCTAGCCTGCACCTATCATAAGTAAATACTCCCTAAC
CTAAAAATAAGTTTTTCGTTCTTATTCAAGGATTTTTTTTTTGGAGACGGAGTTTTCTCTGTTGCCCA
GGCTGGAGTGTAGTGGTGAATTTTCAGTCACTGCAACCTCAGCCTCCTGAGTAGCTGGGGGTCATAG
GTGCATGCCACCACGCCAGCTAATTTTTTTCTATTTTTAGTCGAGACAGGGTTTTATCACGTATGCC
AGGCTGCTCGAACTCTGACCTTAGGTGATCCACCCGCTCAGCCTCCCAAAGTGCAGGGATTACGG
CATGAGCCACCACGCCTGGCCTATTCAAGAATATTGAGGGACAGAAAAATCTATATATATCCATCCTC
AGAACCTTAAATATACAGGCTACTACAGTCTTTATTTAATTTTTGTTTCTTAGGGTTCTTTTGG
TGGTGGTTTTTGGAGATGGAGCATATCCGTCTCCAGGCTGAGTGCAGTGGCACAATCTGGCTCA
CTGCAAGCTCCGCTCCCGGTTACGCCATTCTCCTGCCTCAGCCTCCCGTCTTAGGTCTTTTTGAAA
GAGGTTATGCCTCTGTTGCTTAGTCTGGAGTGGTGAATGGTGTGATCTGGCTCACTGCAACCTCCAC
CTCCAGGCTTAAAGATCCTCCCTGCTCAGCCTCGTGAAGTAGTGAACCCGAGGTGCATGCCACCAC
AGCTAATCTTGTATTTTTATAGAGAGTGTTCGCCATATTGTCCAGGCCGGGCTCAAACCCCTGATC
TTAAGTGTATCTGCCTTAGCCTCCCAATGTCTGGGTTTACAGGCGTGAGCCACTATGCCAGCCC
CTTTTTAATTTTTAAAAATGTTTATTTTTGAGATGGAGTTTCGCTCTTGTGGCCCACTGGAGACCA
ATGACATGATCTCAGTCACTGCAACCTCCGCCTCCCGGTTCAACTGATTCTCCTCCCTCAGCCTCC
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**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\\_001005849.2](https://www.ncbi.nlm.nih.gov/nuccore/NM_001005849.2)

**Summary:**

This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last two amino acids of the carboxy-terminus have been cleaved off. Numerous pseudogenes have been reported for this gene. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

**Locus ID:**

6613

**MW:**

76.1