

Product datasheet for **SC208050**

Sumo 2 (SUMO2) (NM_006937) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Sumo 2 (SUMO2) (NM_006937) Human 3' UTR Clone
Symbol:	Sumo 2
Synonyms:	HSMT3; Smt3A; SMT3B; SMT3H2; SUMO3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006937
Insert Size:	2000 bp



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Insert Sequence: >SC208050 3'UTR clone of NM_006937
 The sequence shown below is from the reference sequence of NM_006937. 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
TTCCAACAGCAGACGGGAGGTGTCTACTGAAAAGGGAACCTGCTTCTTTACTCCAGAACTCTGTTCTTT
AAAGACCAAGATTACATTCTCAATTAGAAAACTGCAATTTGGTTCCACCACATCTGACTACTACCGTA
TAGTTTTCTCTATTCTTTTCAATTTCCCCCTTCCCATTCCTTTATTGTACATAAAGTAACTGGTATATGT
GCACAAGCATATTGCATTTTTTTTTTTTTAACTAAACAGCCAATGGTATGTTTTGATTGACATCAAGT
GGAGACGGGATGGGAAAAATACTGATTCTGTGAAAAATACCCCTTTCTCCATTAGTGGCATGCTCATT
CAGCTCTTATCTTTATATCCAGTAAGTATTTTGTCTCACTGTTTTAACAAAAAAAAAAAAACAACA
CATAAAAAATCCTTGCATACCTTGTCAATTGGAGAATTTAATGTTTTTCATTTATCATTGTAACCA
AGGACAATTTTAACTTTTTGTACGTAGCTGTTACATGTAGGGCAATCTGCTTTAAGTAGGGATAA
ATTACTCTAAAACAAAAAGAATCTAGATAGTTTTCCCTTCAAGTCAAGCGTCTTGTGTTAAATAA
ACTTCTGTTTAAATGAGCTGTTTTCTTTATTCTGAGAAATATTAATAGAAAATTGAGGCTTAGAAA
AAACATAAATAGGCCTGCTTAGAAGTAACATTTCAAGAAGGAAATAAAGTACTTGGTGTCTGACAG
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TTGCCCTTGTGCTGATAAAACACTGAACCATTCTAGCCTGCACCTATCATAAGTAAATACTCCCTAAC
CTAAAAATAAGTTTTTCGTTCTTATTCAAGGATTTTTTTTTTGGAGACGGAGTTTTCTCTGTTGCCCA
GGCTGGAGTGTAGTGGTGAATTTCAAGTCACTGCAACCTCAGCCTCCTGAGTAGCTGGGGGTCATAG
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AGGCTGCTCGAACTCTGACCTTAGGTGATCCACCCGCTCAGCCTCCCAAAGTGCAGGGATTACGG
CATGAGCCACCACGCCTGGCCTATTCAAGAATATTGAGGGACAGAAAAATCTATATATATCCATCCTC
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TGGTGGTTTTTGGAGATGGAGCATATCCGTCTCCAGGCTGAGTGCAGTGGCACAATCTGGCTCA
CTGCAAGCTCCGCTCCCGGTTACGCCATTCTCCTGCCTCAGCCTCCCGTCTTAGGTCTTTTTGAAA
GAGGTTATGCCTCTGTTGCTAGTCTGGAGTGGTGAATGGTGTGATCTGGCTCACTGCAACCTCCAC
CTCCAGGCTTAAAGATCCTCCCTGCTCAGCCTCGTGAAGTAGCTAGAACCAGGTCATGCCACCAC
AGCTAATCTTGTATTTTTATAGAGAGTGTTCGCCATATTGTCCAGGCCGGGCTCAAACCCCTGATC
TTAAGTGTATCTGCCTTAGCCTCCCAATGTCTGGGTTTACAGGCGTGAGCCACTATGCCAGCCC
CTTTTTAATTTTTAAAAATGTTATTTTTGAGATGGAGTTTCGCTCTTGTGGCCCACTGGAGACCA
ATGACATGATCTCAGCTCACTGCAACCTCCGCCTCCCGGTTCAACTGATTCTCCTCCCTCAGCCTCC
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACC GCCCCTTCTATGAAAGG
    
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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_006937.4](#)

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