

Product datasheet for **SC115792**

Sumo 3 (SUMO3) (NM_006936) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sumo 3 (SUMO3) (NM_006936) Human Untagged Clone
Tag:	Tag Free
Symbol:	Sumo 3
Synonyms:	SMT3A; Smt3B; SMT3H1; SUMO-3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115792 sequence for NM_006936 edited (data generated by NextGen Sequencing) ATGTCCGAGGAGAAGCCCAAGGAGGGTGTGAAGACAGAGAATGACCACATCAACCTGAAG GTGGCCGGGCAGGACGGCTCCGTGGTGCAGTTCAAGATCAAGAGGCACACGCCGCTGAGC AAGCTGATGAAGGCCTACTGCGAGAGGCAGGGCTTGTCAATGAGGCAGATCAGATTCAGG TTCGACGGGCAGCCAATCAATGAAACTGACACTCCAGCACAGCTGGAGATGGAGGACGAG GACACCATCGACGTGTTCCAGCAGCAGACGGGAGGTGTGCCGGAGAGCAGCCTGGCAGGG CACAGTTTCTAG Clone variation with respect to NM_006936.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006936 unedited</p> <pre>TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGGAGAGCGGCGGGG CCGAGAGCGTGACTCGCCCGCTCCGCGCTGCTTCCCCCGCGCCCTCCCCGCGCCGCTC GCGCAGCCATGTCCGAGGAGAAGCCCAAGGAGGGTGTGAAGACAGAGAATGACCACATCA ACCTGAAGGTGGCCGGCAGGACGGCTCCGTGGTGCAGTTCAAGATCAAGAGGCACACGC CGCTGAGCAAGCTGATGAAGGCCTACTGCGAGAGGCAGGGCTTGTCAATGAGGCAGATCA GATTCAGGTTTCGACGGGCAGCCAATCAATGAAACTGACACTCCAGCACAGCTGGAGATGG AGGACGAGGACACCATCGACGTGTTCCAGCAGCAGACGGGAGGTGTGCCGGAGAGCAGCC TGGCAGGGCACAGTTTCTAGAGGGCCCGTCCCCAGCCGGGCCGTCCATCCTCGCATTGC TGTTGAATGGTGAACGTGACCATGCCGACCACAAAGGTGTCTGCGGAACTCGAGGAC ATTCACCACGATGATTTTCTCTCTTTGATGTACTTCAAGTGCAACTCAAACTATATCT GCAGGGATGAATCTGTAACCTAAATTTGGGCAATCAGAATTGTTATCTTTGTTCCAGTAA AATGAGTTGCAAGATATTGTGGTACTTTTGTGTGCTCATTTGTGTTTTCCCCCTCTCT ACACATTTTTTTAAACCCAAATTATAGCCTGAATGTTGCTTTTAGTCTGCCAGGGATCT GACTNCTGAGTTGGTTGCCTCTCCCTGCTCACTCCAGTACATAAGNAATTGGTGTNNC CGCAGTGGGATGCNAGCTGTGGACAGGTATTGGGGCAGGGTGGTAGGGAAGACAGACTG TC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006936 unedited</p> <pre>ACCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTCTTTTACCAAATATAT TTACTGTTTACAGTAGTAAAGGACAACAATAATGTACAAATGGTGAATAAACACAACA GAGCCAACAACATCCCACCCGAGCCCATACAGCAAACAGGAAATGAGAACATTTTCAGCA AGATTTCAAGCAAGCAACAGATGATGGGTCATTGTTTCAGGTGACTGTAAAAGGCAGAGA ATGGCCCAAGCAGCAATGGAGCCTCAGGGAAGGACAATAGGCAGAACTATGAAAATGT TTAATTGGTATAGATCCCAAAATATTTACAGAACTGAAATCACCGGACTAATGCCATAA ATTCAATACCTATTTGGAAAGCAGCAGGCACAAACCCACGAGAAGAATGAAGTCATC ATTCCATGGGTTTCAATTTGTAACCACTTCGGAAGTATCTTTATACACCGACAACCTAA ACTGCAAAATTCAGCAATACTTAGACCTACCTTTTTTATGCATAGACCATAATCATTCAAT AGAAGCAAACTATAAGAAAATCTGGGGCCCCAACACCATTACCAAAGGAGAAATGGTG GAACTTTCTTCAATTTTCAACAGGGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG CTGGGAACCAACCCGCGATACTGACACAGGAAATGGGGTGGGATGGGTGCACAGGGGTT TGAACCTCCCGCTTCTCTCGTCGCTTTTCTACTCTGTGCCTTACCGGATCCGCACCGAC TGATATCAGTAGAATACGGTAGGGGACTCCCCGCGCGGTAGAGAGTACGGCGGCGCGCTC TACGCCGTCTCGTCTTCTCCTCTTGTGTTGTACCTTTGTGCTCTACCTTCTTCGCGGG AGATACTAACAAATACGACATATAACTCGGCTAAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006936
Insert Size:	1770 bp
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:

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: [NM_006936.2](#), [NP_008867.2](#)

RefSeq Size: 1831 bp

RefSeq ORF: 312 bp

Locus ID: 6612

UniProt ID: [P55854](#)

Cytogenetics: 21q22.3

Domains: UBQ

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the small ubiquitin-related modifier (SUMO) family of eukaryotic proteins. The encoded protein is covalently conjugated to other proteins via a post-translation modification known as sumoylation. Sumoylation may play a role in a wide variety of cellular processes, including nuclear transport, DNA replication and repair, mitosis, transcriptional regulation, and signal transduction. Alternatively spliced transcript variants encoding distinct proteins have been described. [provided by RefSeq, Feb 2014]
Transcript Variant: This variant (1) represents the predominant transcript and encodes the shorter isoform (1).