

OriGene Technologies, Inc.

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Product datasheet for RG235989

Sumo 3 (SUMO3) (NM_001286416) Human Tagged ORF Clone

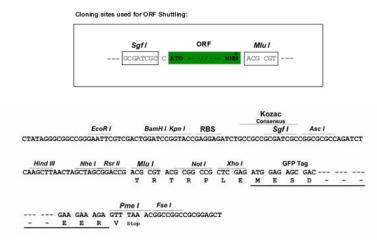
Product data:

Product Type:	Expression Plasmids
Product Name:	Sumo 3 (SUMO3) (NM_001286416) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sumo 3
Synonyms:	SMT3A; Smt3B; SMT3H1; SUMO-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG235989 representing NM_001286416. Blue=ORF Red=Cloning site Green=Tag(s)</pre>
	GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCATGTCCGAGGAGAAGCCCAAGGAGGGTGTGAAGACAGAGAATGACCACATCAACCTGAAGGTGGCCGGGCAGGACGGCTCCGTGGTGCAGTCAAGATCAAGAGGCACACGCCGCTGAGCAAGCTGATGAAGGCCTACTGCGAGAGGCAGGTGCGGCACCTTGCTCCCCCGCAGAGCCTCCCGTGTGCGCACTGGTCCTGTGCGTTCCAGGCATCCCCAGAGCACGAGCGTCTCGGGGCTGGACCCAGATGCAGCTGCCCGAGGGCTTGTCAATGAGGCAGATCAGATTCAGGTTCGACGGCAGCCAATCAATGAAACTGACACTCCAGCACAGCTGGAGATGGAGGACGAGGACCACCATCGACGTGTTCCAGCAGCAGCAGCAGCCGGAGGAGCAGCCTGGCCGGAGGAGCAGCCTGGCCGGAGGGCAGCCAGGGAGGAGCAGCCTGGCAGGGCACAGTTCACGCGTACGCGCCCGCTCGAG - GFP Tag - GTTTAAAC
Protein Sequence:	>Peptide sequence encoded by RG235989 Blue=ORF Red=Cloning site Green=Tag(s)
	MSEEKPKEGVKTENDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQVRHLAPPQSLPVCALVLCV PGIPRARASRGWTQMQLPEGLSMRQIRFRFDGQPINETDTPAQLEMEDEDTIDVFQQQTGGVPESSLAG HSF TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
Restriction Sites:	Sgfl-Mlul



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Cloning Scheme:



ACCN:	NM 001286416
ORF Size:	423 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	<u>NM 001286416.1, NP 001273345.1</u>
RefSeq Size:	1945 bp
RefSeq ORF:	426 bp
Locus ID:	6612
UniProt ID:	<u>P55854</u>
Cytogenetics:	21q22.3
Protein Families:	Druggable Genome
MW:	16.2 kDa

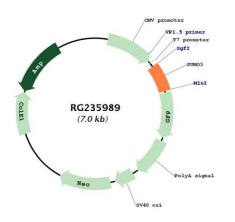
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GRIGENE Sumo 3 (SUMO3) (NM_001286416) Human Tagged ORF Clone – RG235989

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]

Product images:



Circular map for RG235989

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