

## 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:** >RG235989 representing NM\_001286416.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCGAGGAGAAGCCCAAGGAGGGTGTGAAGACAGAGAATGACCACATCAACCTGAAGGTGGCCGGG
CAGGACGGCTCCGTGGTGCAGTTCAGATCAAGAGGCACACGCCGCTGAGCAAGCTGATGAAGGCCTAC
TGCGAGAGGCAGGTGCGGCACCTTGCTCCCCGCAGAGCCTCCCCGTGTGCGCACTGGTCTGTGCGTT
CCAGGCATCCCCAGAGCACGAGCGTCTCGGGGCTGGACCCAGATGCAGCTGCCGAGGGCTTGCAATG
AGGCAGATCAGATTCAGTTTCGACGGGCAGCCAATCAATGAAACTGACACTCCAGCACAGCTGGAGATG
GAGGACGAGGACACCATCGAGTGTCCAGCAGCAGACGGGAGGTGTGCCGAGAGCAGCCTGCCAGGG
CACAGTTTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG235989  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MSEEKPKKEGVKTENDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQVRHLAPPQSLPVCALVLCV
PGIIPRARASRGWTQMLPEGLSMRQIRFRFDGQPINETDPAQLEMEDEDTIDVFQQQTGGVPESSLAG
HSF
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDHMHFSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI



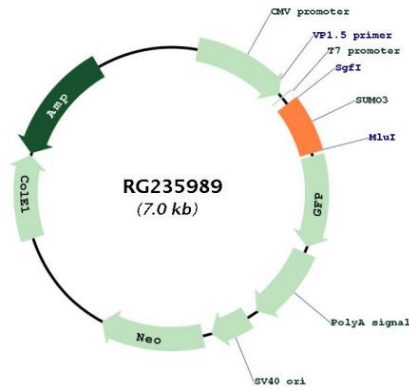
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**Gene Summary:**

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