

## Product datasheet for **MG225911**

### Sumo3 (NM\_019929) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sumo3 (NM\_019929) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Sumo3  
**Synonyms:** 2810014B19Rik; D10Erttd345; D10Erttd345e; SMT; SMT3A; Smt3h; Smt3h1; SUMO-3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG225911 representing NM\_019929  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGGAAGAGAAGCCCAAGGAGGGTGTGAAGACAGAGAATGACCACATCAACCTGAAAGTGGCGGGGC  
 AGGATGGCTCGGTGTTACAGTTCAAGATCAAGAGGCACACCCACTGAGCAAGCTGATGAAGGCCTACTG  
 TGAGAGGCAGGGCTTGTCAATGAGGCAGATTCGATTCGGTTTGTGACAACCAATCAATGAAACAGAC  
 ACTCCAGCCCAGCTGGAGATGGAGGATGAGGACACCATTGATGTATTCCAGCAGCAGACAGGAGGATCAG  
 CCTCCCGAGGGAGCGTCCCACACCCAACCGTTGTCCTGACCTGTGCTAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG225911 representing NM\_019929  
 Red=Cloning site Green=Tags(s)  
 MSEEKPKKEGVKTENDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQGLSMRQIRFRFDGQPINETD  
 TPAQLEMEDEDTIDVFQQQTGGSASRGSVPTPNRCPDLCY

**TRTRPLE** - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1821\\_a05.zip](https://cdn.origene.com/chromatograms/ja1821_a05.zip)

**Restriction Sites:** Sgfl-Mlul



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**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\\_019929.4](#), [NP\\_064313.1](#)

**RefSeq Size:** 2493 bp

**RefSeq ORF:** 333 bp

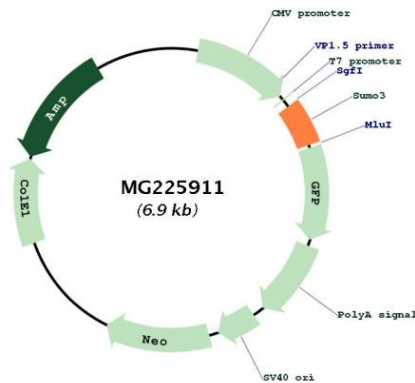
**Locus ID:** 20610

**UniProt ID:** [Q9Z172](#)

**Cytogenetics:** 10 39.72 cM

**Gene Summary:** This gene encodes a member of the small ubiquitin-like modifier family. The encoded protein may regulate a variety of proteins in many pathways via a post-translational modification, known as SUMOylation. This activity may play a role in a wide variety of cellular processes, including nuclear transport, DNA replication and repair, mitosis, transcriptional regulation, and signal transduction. Disruption of some of these processes has been associated with cerebral ischemia, neural dysfunction, and heart disease. A pseudogene of this gene has been defined on the X chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]

### Product images:



Circular map for MG225911