

## Product datasheet for **RG229028**

### **SAPS3 (PPP6R3) (NM\_001164163) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SAPS3 (PPP6R3) (NM_001164163) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SAPS3
Synonyms:	C11orf23; PP6R3; SAP190; SAPL; SAPLa; SAPS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG229028 representing NM\_001164163  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTTGGAAATTTGATCTTCACTCATCATCCCACATAGACACACTTCTAGAAAGAGAAGATGTAACAC  
 TGAAGGAGTTAATGGATGAGGAAGATGTTTTACAGGAATGTAAAGCTCAGAACCACAACTTATAGAGTT  
 TCTGTTAAAAGCAGAATGTCTCGAAGATTTAGTCTCATTATTAGAAGAACCCTCAAGACATGGAT  
 GAAAAGATCAGATACAAGTATCCAAATATATCTTGTGAGTTGCTCACTTCTGATGTCTCCAGATGAATG  
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 AATGGCCCTGTA

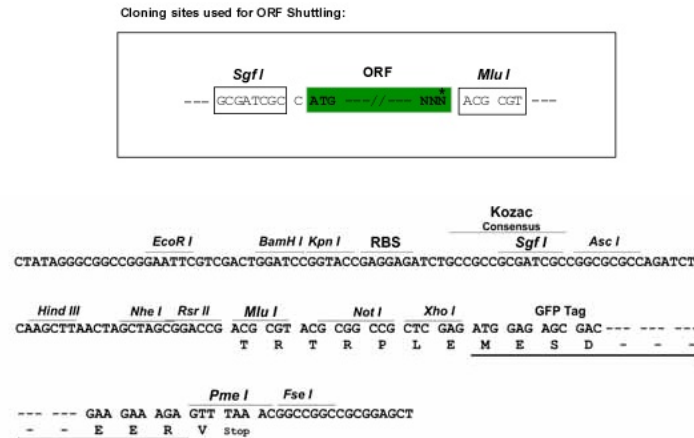
**ACGGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

Protein Sequence: >RG229028 representing NM\_001164163  
Red=Cloning site Green=Tags(s)

MFWKFDLHSSSHIDTLEREDVTLKELMDEEDVLQECKAQRKLI EFLKAECL EDLVSFII EEPQDMD  
EKIRYKYPNISCELLTSDV SQMNDRLGEDESLLMKLYSFL LNDSP LNPLLASFFSKVLSILISRKPEQIV  
DFLKKKHDFVDLIIKHIGTSAIMDLLRL LTCIEPPQPRQDVLNWLNEEKIIQRLVEIVHPSQEEDRHSN  
ASQSLCEIVRLSRDQMLQIQNSTEPDPLLATLEKQEIEQLLSNIFHKEKNESAIVSAIQILLTLETRR  
PTFEGHIEICPPGMSHSACSVNKSYLEAIRGRLGSFHELLEPPKKSVMKTTWGVLDPPVGNTRLNVIRL  
ISSLLQTNTSSINGDLMELNSIGVILNMFYKWTWNNFLHTQVEICIALILASPFENTENATITDQDSTGD  
NLLLKHLFQKQQLIERILEAWEMNEKKQAEGRRHGYMGHLTRIANCIVHSTDKGPNSALVQQLIKDLPD  
EVRERWETFCTSSLGETNKRNTVDLAFSDYQM QMTSNFIDQFGFNDEKFA DQDDIGNVSFDRVSDINFT  
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DLFEPSSANTEDKMEVDLSEPPNWSANFDVPMETTHGAPLDSVGSVWSTEEMP TKETGWASFSEFTSS  
LSTKDSLRSNSPVEMETSTEPMDPLTPSAAALAVQPEAAGSVAMEASSDGEEDAESTDKVTETVMNGGMK  
ETLSLTVDAKTETAVFKSEEGKLSQDAACKDAEECPETA EAKCAAPRPPSSSPEQRTGQPSAPGDTSV  
NGPV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001164163

**ORF Size:** 2532 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. [More info](#)

**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).

**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\\_001164163.2](#)

**RefSeq Size:** 5040 bp

**RefSeq ORF:** 2535 bp

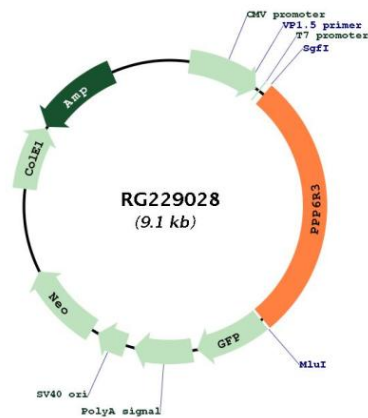
**Locus ID:** 55291

**UniProt ID:** [Q5H9R7](#)

**Cytogenetics:** 11q13.2

**Gene Summary:** Protein phosphatase regulatory subunits, such as SAPS3, modulate the activity of protein phosphatase catalytic subunits by restricting substrate specificity, recruiting substrates, and determining the intracellular localization of the holoenzyme. SAPS3 is a regulatory subunit for the protein phosphatase-6 catalytic subunit (PPP6C; MIM 612725) (Stefansson and Brautigan, 2006 [PubMed 16769727]).[supplied by OMIM, Nov 2010]

### Product images:



Circular map for RG229028