

Product datasheet for **RG229035**

SAPS3 (PPP6R3) (NM_001164161) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAPS3 (PPP6R3) (NM_001164161) 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:**

>RG229035 representing NM_001164161
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTTGGAAATTTGATCTTCACTCATCATCCCACATAGACACACTTCTAGAAAGAGAAGATGTAACAC
 TGAAGGAGTTAATGGATGAGGAAGATGTTTTACAGGAATGTAAAGCTCAGAACCCGAAACTTATAGAGTT
 TCTGTAAAAGCAGAATGTCTCGAAGATTTAGTCTCATTATTATAGAAGAACCCCTCAAGACATGGAT
 GAAAAGATCAGATACAAGTATCCAAATATATCTTGTGAGTTGCTCACTTCTGATGTCTCCAGATGAATG
 ATAGACTGGGAGAAGATGAATCCTTGCTAATGAAATTATAGCTTCTCCTAAACGATTCCTTTGAA
 TCCACTACTTGCCAGTTTCTTCAGCAAGGTGCTAAGTATTCTTATCAGCAGAAAACCAGAACAGATTGTG
 GATTTCTAAAGAAGAAGCATGATTTTGTAGACCTTATTATAAAGCACATAGGAACCTTCTGCTATCATGG
 ATTTGTTGCTCAGGCTCCTGACGTGTATCGAACCTCCACAGCCCAGGCAAGATGTGCTGAATTGGTTAAA
 TGAGGAGAAAATTATCCAGAGGCTTGTGGAAATAGTTCATCCATCGCAAGAAGAAGATCGACATTCAAAT
 GCATCACAACTCACTTTGTGAAATTTGTCGCTGAGCAGAGACCAGATGTTACAAATTCAGAACAGTACAG
 AGCCCCAGCCCCTGCTTGCCACTCTAGAAAAGCAAGAAATATAGAGCAGCTTCTATCAAATATTTTCCA
 CAAGGAGAAAAATGAGTCAGCCATAGTCAGTGCATCCAGATATTGCTGACTTTACTTGAGACACGACGA
 CCAACATTTGAGGCCATATAGAGATCTGCCACCAGGCATGAGCCATTAGCTTGTTCAGTAAACAAGA
 GTGTTCTAGAAGCCATCAGAGGAAGACTTGGATCTTTTCATGAACTCTGCTGGAGCCACCAAGAAAAAG
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 TCATATTGAACATGTTCTTCAAGTATACATGGAATAACTTTTTGCATACACAAGTGGAAATTTGTATTGC
 ACTGATTCTTGCAGCTCTTTTGA AACACAGAAAATGCCACAATTACCGATCAAGACTCCACTGGTGAT
 AATTTGTTATTA AAAACATCTTTTCCAAAATGTCAATTAATAGAACGAATACTTGAGCCTGGGAAATGA
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 GAAGTCAGGGAACGATGGGAGACGTTCTGCACAAGCTCCTTAGGAGAACTAACAGAGGAACACGGTAG
 ATCTAGTTACAACCTGCCATATTCATTCATCCAGTGATGATGAAATTGACTTTAAGAAACGGGTTTCTC
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 TGAATGGCGCATGAAGGAAACGCTCAGCCTCACTGTAGATGCCAAGACAGAGACTGCGGCTTCTAAAAG
 TGAGGAAGGGAAACTGTCTACCTCTCAAGATGCTGCTTGTAAAGACGCAGAGGAGTGTCCCAGACTGCA
 GAGGCGAAGTGCAGCGGCCAGGCTCCAGCAGCAGTCCCAGCAGAGGACTGGCCAACCAAGCGCAC
 CAGGTGACACTTCAGTGAATGGCCCTGTA

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG229035 representing NM_001164161
 Red=Cloning site Green=Tags(s)

MFWKFDLHSSSHIDTLEREDVTLKELMDEEDVLQECKAQNRLIEFLLKAECLDLSVFIIEPPQDMD
 EKIRYKYPNISCELLTSDV SQMNDRLGEDESLMLKLYSFLNDSPLNPLLASFFSKVLSILISRKPEQIV
 DFLKKKHDFVDLIIKHIGTSAIMDLLRLTLCIEPPQPRQDVLNWLNEEKIIQRLVEIVHPSQEEDRHSN
 ASQSLCEIVRLSRDQMLQIQNSTEPPDLLATLEKQEIIEQLLSNIFHKEKNEAISVSAIQILLTLETRR
 PTFEGHIEICPPGMSHSACSVNKSYLEAIRGLGSFHELLLEPPKKSVMKTTWGVLDPVGNTRLNVIRL
 ISSLLQNTNTSSINGDLMELNSIGVILNMFYKWTWNNFLHTQVEICIALILASPFENTENATITDQDSTGD
 NLLLKHLFQKQQLIERILEAWEMNEKKQAEGRRHGYMGHLTRIANCIVHSTDKGPNSALVQQLIKDLPD
 EVRERWETFCTSSLGETNKRNTVDLVTTCIHSSSDDEIDFKETGFSQDSSLQQAQAFSDYQMOMTSNFID
 QFGFNDEKFAQQDDIGNVSFDRVSDINFTLNTNESGNIALFEACCKERIQQFDDGGSDDEDIWEEKHIAF
 TPESQRRSSSGTDEESTDSEEDGAKQDLFEPSSANTEDKMEVDLSEPPNWSANFDVPMETTHGAPLD
 SVGSDVWSTEEMPTKETGWASFSEFTSSLSTKDSLRSNSPVEMETSTEPMDPLTPSAAALAVQPEAAGS
 VAMEASSDGEEDAESTDKVTETVMNGMKETLSLTVDAKTETAVFKSEEGKLSQDAACKDAEECPETA
 EAKCAAPRPPSSPEQRTGQPSAPGDTSVNGPV

TRTRPLE - GFP Tag - V

Restriction Sites:

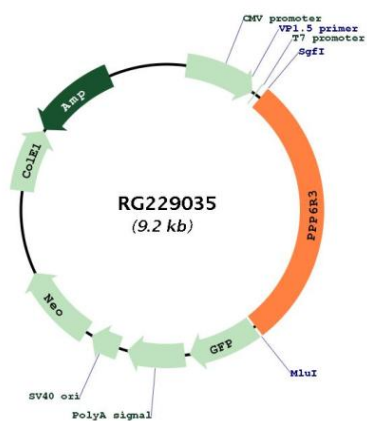
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001164161
ORF Size:	2619 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:	<ol style="list-style-type: none">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_001164161.2
RefSeq Size:	5127 bp
RefSeq ORF:	2622 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 RG229035