

Product datasheet for **RG227843**

GATSL1 (NM_001145063) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GATSL1 (NM_001145063) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GATSL1
Synonyms:	GATS-like protein 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227843 representing NM_001145063 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTCCACATCCTGGAGCACCGGCTGCAAGTTGCCAGCGTCGCCAACGAGAGTATACCGCTGTTCA
CCTACGGCCTGATCAAATTGCCTTCTGTCTCCAAGACCAGGTGCAAGTTCTTCAGTCTGACTGAGAC
GCCAGAGGATTAACTATCATTGTCGATGAGGAAGGATTCCTAGAGCTGCCCTCCTCGGAGCACCTGAGT
GTGGCAGATGCCACCTGGCTGGCCCTGAACGTGGTGTCCGGCGGTGGCAGCTTCTCCAGTCCCAGCCCA
TCGGCGTGACCAAGATCGCCAAGTCAGTCATCGCCCCACTGGCTGACCAGAACATATCCGTGTTTCATGCT
GTCCACGTATCAGACAGACTTCATCCTGGTGCGCGAGCGGGACCTGCCCTTTGTCACCCACACATTGTCA
TCAGAGTTCACCATCCTGCGGGTCGTCAATGGCGAGACCGTGGCAGCCGAGAACCCTCGGCATCACCAATG
GCTTCGTGAAGCCCAAGCTGGTCCAGAGGCCAGTCATCCACCCACTGTCCAGCCGAGCAACAGGTTCTG
TGTACCCAGCCTGGACCTGACACGCTGCCTGCTGTTGCCACACTCCTCATGGATGTCATGTTCTACTCC
AATGGAGTGAAGACCCCATGGCCACTGGGGATGACTGCGGCCACATCCGCTTCTTCTCCTTCTCCCTCA
TCGAGGGCTACATCTCCTGGTATGGACGTGCAGACGACGAGAGGTTTCCTAGTAAGTGTGCTGTTTCA
AAGCGCATCCGGAGAGCTCTGGAAGATGGTCCGATTGGAGGACAGCCCTGGGGTTTGATGAGTGTGGC
ATCGTGGCCAGATCTCAGAGCCCTTGGCTGCTGCAGACATCCCAGCCTACTACATCAGTACTTTCAAGT
TTGATCATGCATTGTCCCCGAAGAGAACATCAATGGTGTTCATCAGTGGCCTGAAGGTGAGCCAGCAGAG
GAAGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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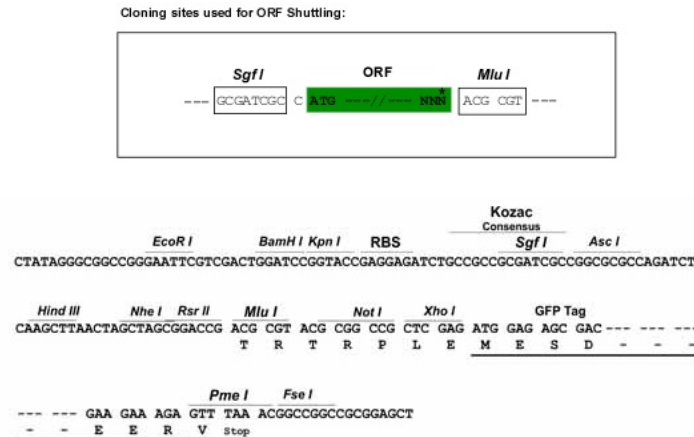
Protein Sequence: >RG227843 representing NM_001145063
 Red=Cloning site Green=Tags(s)

MELHILEHRLQVASVANESIPLFYGLIKLAFLSSKTRCKFFSLTETPEDYTIIVDEEGFLELPSSSEHLS
 VADATWLALNVVSGGGSFSSSQPIGVTKIAKSVIAPLADQNISVFMLSTYQTDILVRERDLPFVTHTLS
 SEFTILRVVNGETVAAENLGITNGFVKPKLVQRPVIHPLSSPSNRF CVTSLDPTLPAVATLLMDVMFY
 NGVKDPMATGDDCGHIRFFSFSLEIGYISLVMQVQTRFPSNLLFTSASGELWKMVRIGGQPLGFDECG
 IVAQISEPLAAADIPAYYISTFKFDHALVPEENINGVISALKVSQAEKH

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145063

ORF Size: 987 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001145063.1, NP_001138535.1

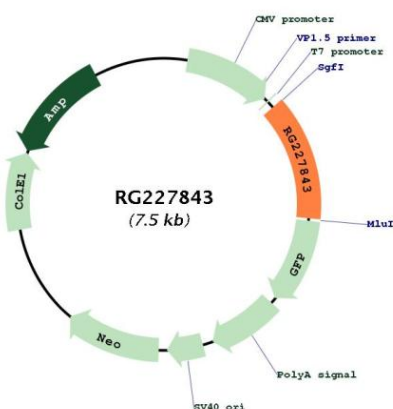
RefSeq Size: 990 bp

RefSeq ORF: 989 bp

Locus ID: 389523

Cytogenetics: 7q11.23

Product images:



Circular map for RG227843