

Product datasheet for **RG212344**

SHFL (NM_018381) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHFL (NM_018381) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SHFL
Synonyms:	C19orf66; IRAV; RyDEN; SFL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212344 representing NM_018381 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCAGGAAGGTGTGGAGCTGGAGAAGAGCGTCCGGCGCCTCCGGGAGAAGTTTCATGGGAAGGTAT
CCTCCAAGAAGGCGGGGCTCTGATGAGGAAATTCGGCAGCGACCACACGGGAGTGGGGCGCTCCATCGT
GTACGGGGTAAAGCAAAAAGATGGCCAAGAACTAAGTAACGATCTGGATGCCAGGATCCACCAGAAGAT
ATGAAGCAGGACCGGGACATTAGGCAGTGGCGACCTCCCTCCTGCCACTGACAGAAGCCAACCTACGCA
TGTTTCAACGTGCCAGGACGACCTTATCCCTGCTGTGGACCGGCAGTTTGCCTGCTCCTCCTGCGACCA
CGTCTGGTGGCGCCGCTGCCCGAGCGGAAGGAGGTATCCCGGTGCCGGAATGCCGGAAGCGCTACGAG
CCAGTGCCAGCTGACAAGATGTGGGGCCTGGCTGAGTTCCACTGCCGAAGTGTCGGCACAACTCCGGG
GCTGGGCACAGATGGGGTCCCCGTCCCCCTGCTACGGGTGCGGCTTCCCGTGTATCCAACACGGATCCT
CCCCCGCGCGGGACCGGGACCGGATCGCCGAGCACCACACTCACTCCTGCTCAGCTGCCGACTGC
TACAACCGGCGAGAGCCCCACGTGCCTGGGACATCCTGTGCTCACCCCAAGAGCCGGAAGCAGAACCACC
TGCCCAAAGTGCTCCACCCAGCAACCTCACATTAGCAGTGGCCCCACTGTGGCCACCTGCTTGAGCCA
GGGTGGCTCCTGGAAGACCTGGACAACCTCATCTGGAGGACCTGAAGGAGGAGGAGGAAGAGGAG
GAGGTGGAGGACGAGGAGGGCGGCCAGGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212344 representing NM_018381
 Red=Cloning site Green=Tags(s)

MSQEGVELEKSVRRLREKFHGKVSSKKAGALMRKFGSDHTGVGRSIVYGVKQKDGQELSNDLDAQDPPED
 MKQDRDIQAVATSLPLTEANLRFQRAQDDLIPAVDRQFACSSCDHVWRRVPQRKEVSRCRKRKRYE
 PVPADKMWGLAEFHCPKCRHNFRGWAQMGSPSPCYGCGFPVYPTRILPPRRDRDPDRRSTHTHSCSAADC
 YNRREPHVPGTSCAHPKSRKQNHLPKVLHPSNPHISSGPTVATCLSQGGLLLEDLNLILEDLKEEEEEEE
 EVEDEEGPRE

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018381

ORF Size: 873 bp

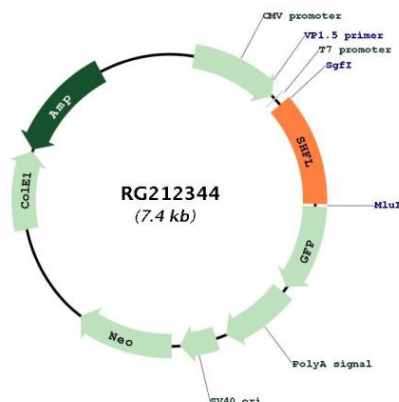
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_018381.1, NP_060851.1</u>
RefSeq Size:	1911 bp
RefSeq ORF:	876 bp
Locus ID:	55337
UniProt ID:	<u>Q9NUL5</u>
Cytogenetics:	19p13.2
Gene Summary:	Exhibits antiviral activity against dengue virus (DENV) and can inhibit the replication of all DENV serotypes. May block the protein translation of DENV RNA via its association with cellular mRNA-binding proteins and viral RNA. Can also limit the replication of hepatitis C virus (HCV), West Nile virus (WNV), Chikungunya virus (CHIKV), herpes simplex virus type 1 (HHV-1) and human adenovirus (PubMed:26735137).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG212344