

Product datasheet for **RG219220**

SHF (NM_138356) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHF (NM_138356) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SHF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219220 representing NM_138356 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCAGGAGGGAGGACCCGTGAGGAGCGCCCCCTGTAGGACCGGAACCCTGGAGGGTTCGCGGCAAG
GGTCTCCGGGTCATAGGAAACGGGCATCCCCAAGGGTAGTCTGAGTTCGCCCCAGCCCCATTCTGGAT
GCTCACGCCGTCTCCCTAAACTCCCCTGCGCTACCGGGAGCCCATCTCATCACCACAGCCCGTG
GCTAATGGGCCAAAACAGAAGAAGAAAAGCAACTGGCGGAGTACAACGCGCTCGCATTATCAGACTCA
GGGACAGGCTGGAACCTCGCCCCCTAGCTATCCTAGAAGACTATGCGGACCCGTTTGTGTTGAGGAGAC
TGGCGAAGGCTCAGCAGGAGCTTCAGGAGCCCCAGAGAAGGTCCCTGAAAATGATGGCTACATGGAGCCC
TATGAGGCTCAAAAGATGATGGCCGAGATCCGGGGCTCCAAGGAGACAGCAACTCAGCCCTTGCCTCTGT
ATGACACACCCTATGAGCCAGAGGAGGATGGGGCCACCCCGAAGGTGAGGGGGCCCCCTGGCCCCGGGA
GTCCCCTGCCAGAGGATGATGAGAGGCCCCCTGAGGAGTATGACCAGCCCTGGGAGTGAAGAAGGAG
CGGATTTCAAAGCCTTTGCAGTTGACATTAAGGTCATCAAAGACCTACCTTGGCCTCCACCTGTGGGAC
AGCTGGACAGCAGCCCTCCCTGCCTGATGGGGACAGGGACATCTCCGGTCCAGCCTCGCCCTCCCTGA
GCCAGCCTGGAGACAGCAGCGCCAGTTTGAAGGACCGGAGAAGAGCTGCCTGTACCTGGCCGGGAG
GAGAAGGGGGCGGTACCTCCCCACTCTCTGCAGGGAACCCCAAGTCAGCCAAACCCTAAGCATGGAGC
CCAGCAGCCCCCTGGGGGAGTGGACAGATCCAGCACTGCCTCTGGAACCCAGGTCTGGTATCACGGGGC
CATCAGCCGAACCGACGCCGAGAACCTGCTCCGGCTGTGCAAAGAGGCCAGCTACCTGGTGCACAACAGT
GAGACCAGCAAGAATGACTTCTCCCTCTCCCTCAAGAGCAGCCAGGGATTTCATGCACATGAAGCTGTCCC
GAACCAAGGAACACAAATATGTGCTGGGCCAGAACAGCCCGCCCTTCAGCAGCGTCCCTGAAATTGTGCA
CCTACTATGCCAGCCGCAAGCTACCCATTAAGGGAGCCGAACACATGTCCCTGCTTACCTGTGGCCATC
CGGACTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219220 representing NM_138356
Red=Cloning site Green=Tags(s)

MQQEGGPVRSAPCARTGTLEGSRQGSPGHRKRASPKGSLSSAQPHSWMLTPSPLNSHCAHREPISSSPQPV
 ANGPKQKKKSNWRSTTRLRIRLRDRLEPRPLAILEDYADPFVQETGEGSAGASGAPEKVPENDGYMEP
 YEAQKMMAEIRGSKETATQPLPLYDTPYEPEEDGATPEGEGAPWPRESRLPEDDERPPEEYDQPWEWKKE
 RISKAFVVDIKVIKDLWPPPPVQGLDSSPSLPDGDRDISGPASPLPEPSLEDSSAQFEGPEKSCLSPGRE
 EKGRLLPRLSAGNPKSAKPLSMEPSSPLGEWTDPALPLENQVWYHGAI SRTDAENLLRLCKEASYLYVRNS
 ETSKNDLSLSLKSSQGFMMHKL SRTKEHKYVVLGQNSPPFSSVPEIVHHYASRKLPIKGAEHMSLLYPVAI
 RTL

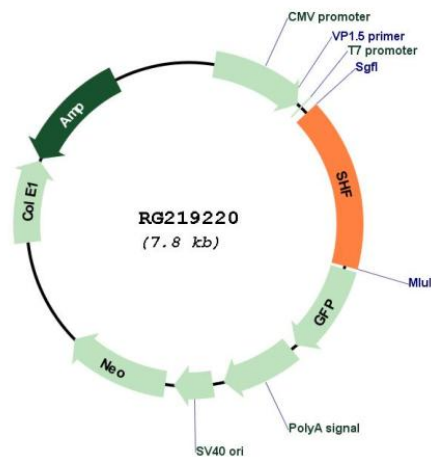
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_138356
ORF Size:	1269 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_138356.2 , NP_612365.2
RefSeq Size:	2517 bp
RefSeq ORF:	1272 bp
Locus ID:	90525
Cytogenetics:	15q21.1