

Product datasheet for **RG216734**

SH3TC1 (NM_018986) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3TC1 (NM_018986) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SH3TC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216734 representing NM_018986 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGAACCTCCCTGCCGTGACCACTGAGGAGCCGACCCCCATGGGGAGGGTCTGTGGGACCCTCAG
GAGGTGGCAGCACCCGGGACCAGGTCCGGACTGTGGTCACTGAGGCCCTCTGTGAGCTGGGAGAAAGCGGG
GCCCAGGAGGCCAAGGCCCGGTGAGAGGCGACGAGGCTCCTCCTGCCCGCTGGCTGGCCTGCTGCT
GGGACCCCTCCCTGCCAGATGGGGTTTATCCACAGACCTGACCCTGCAGCTGCTGGCTGTGCGGAGGA
AGAGCAGACTGCGGGACCCCGGCTACAGCAGACCCTCCGGGGCCAGCTCCGCCTGCTGGAGAATGATAG
CCGGGAGATGGCCCGCTGCTTGGGGAATTATCAGCCAGGCTGCTGTCCATCCACAGTGACCAGGACCCGG
ATCGTGGTGACGTTTAAGACTTTTGAAGAAATCTGGAAGTTTTCCACCTACCATGCTCTCGGCTTCACTC
ATCACTGCCTGGCAAACCTGCTCATGGACCAGGCCTTCTGGCTGCTTTGCCAGTGAGGAGGAGGAGAC
GGCCATCCAAGTCCATGTGGATGAGAACGCCTTAAGGCTGACCCACGAGAGCCTCCTCATCCAAGAAGGG
CCCTTCTTTGCTCTGTGCTGACCAACCATGTGAGAGTGATGACGGTCCCGGGATGCAGGAAATGGCC
CCCAGGCCCTCAGGCAGGCTTCGGGGGACCCAGGGAGAGGCGCCCGGAAACAGACTCTTACCAGCC
GAGCCCCAGCGTGTCTCCGAGGAGGTGGCAGTGGCGGCCCGCCGAGCCTTTGATTCCATTTTCATCAG
TGGGCTCTTAGGATCCCCAGGACCCATCGACGATGCCATGGGTGGCCCTGTGATGCCCGCAACCCGC
TGATGGCTGTGGCCTGGCCTCGCATTGGCAGACTTCCAGGGCTCGGGGCCGAAGAGATGACCTTCGG
AGGTGGCGACCTCATCGAGATCCTTGGGGCGCAGGTGCCAGCCTGCCCTGGTGGTGGGCCGACACGCA
GCCTCGGGCCGGGTGGGGTTTGTGCGGAGCAGCCTCATCAGCATGCAGGGCCCGGTGTCCGAGTTGGAAA
GTGCGATTTTTCTCAATGAGGAAGAAAAGTCATTTCTCAGCGAGGGCTGCTTTTCTGAGGAGGATGCCAG
GCAGTTGCTGAGGCGGATGTGCGGCACCGATGTCTGCAGCGTGTACAGCTGGACTCAGTAGAGGAAGCT
GAGACCGAGCAGCCGAGGAAAAAGAAATACCTCCACCTTGCTGAGCCCGGAGCCACAGGAGACCTTGC
AGAAGTGGAAGATGTTCTGGAACAATGCAAGACCTGCCAGGCTGCCCCAGGAGCCAGCGTCTGGGG
TCTCTGTGCGGCATCCAGCGACGTGAGCTTGCAGGACCCGAGGAGCCCTCTTCTGCTTGAAGCCGAG
GACGACTGGGAGACCCAGAGGCCCTGAGCTCACTGCTGCTGTTCTGAACGCCCTGGGTACAAGGCCA
GCTTCCGTGGCCTGTACGATGTGGCGCTGCCGTGGCTGAGCAGCGTGTCCGAGCTTCAGCGACGAGGA



[View online »](#)

GGAGCTGACTGGGCGCCTGGCACAGGCCCGGGGGCGGCCAAGAAAGCTGGCCTCCTCATGGCCCTGGCC
AGGCTCTGCTTCTCCTGGGGCGGCTGTGCAGCAGGAGGCTCAAGCTGTCCCAGGCCCGGGTGTACTTTG
AGGAAGCGCTGGGGGCCCTGGAGGGCAGCTTCGGGGACCTGTTCTGTTGGTGGCTGTGTACGCCAACCT
GGCCAGCATTTACCGGAAGCAGAAGAACCGGGAGAAGTGTGCACAGGTGGTGCCAAAGCCATGGCCCTG
CTCCTGGGGACGCCCCACCACATCTGCAGCACCAGGCGGAGGGGGAGCTCCTGCAGCTGGCGCTGCGGC
GGGCGGTGGTGGCCAGAGCCTGCAGGCCGAGGCCCGGGCCTGCTTCTGCTGGCCAGGCACCACGTGCA
CCTCAAGCAGCCCCGAGGAGGCCCTGCCCTTCTAGAGCGGCTGCTGCTTTTGCACAGGGACTCGGGAGCC
CCAGAGGCCGCGTGGCTCTCAGACTGCTACCTACTCCTGGCTGACATCTACAGCCGCAAGTGCCTGCCCC
ACCTGGTGTGAGCTGTGTCAAGGTGGCCTCATTGCGGACACGGGGCTCGCTGGCCGGCTCGCTGAGGAG
TGTGAACCTGGTGTCCAGAACGCCCCCAGCCCCACAGCCTCCCTGCCAAACTTCCACTACCTCAGG
CAAGCGCTGGCCTCCCTGACCCCGGGCACAGGCCAGGCGCTGCGCGGCCCTCTACACCAGCTTGGCCC
AGCTGTACAGCCACCATGGCTGCCACGGCCCGGCCATCACCTTCATGACGCAGGCAGTGAAGCCAGTGC
TATTGCCGGAGTCCGTGCCATCGTGGACCCTGGTGGCCCTGGCTGGCTGCACGTGCTTCATGGGCAG
AGCCCGGTGGCCCTGGACATCCTGCAGTCTGTCCGGATGCAGTGGTGGCCAGCAGGACCAGGAGGGCG
TGATTGCCAACATGGTGGCCGTGGCTCTGAAGAGGACGGGCCGGACGAGGCAGGCAGCTGAGAGCTACTA
CCGCGCCCTGCGGGTGGCTCGGGACCTGGGCCAGCAAAGGAACAGGCAGTGGGGCTGGCCAACTTCGGG
GCCCTGTGCCTGCATGCGGGTGGCAGCAGGCTGGCCCAGCACTACCTCCTGGAGGCCGTGCGGCTGTTCT
CGAGGCTGCCCTTGGGGAGTGTGGCCGGGACTTACCCACGTGCTCCTGCAGCTGGGCCATCTCTGCAC
CCGCCAGGGCCCGGCCAGCAGGGCAAGGGCTACTACGAGTGGGCCCTTCTGGTCGCGTGGAGATGGGC
CACGTGGAGAGCCAGCTGCGGGCCGTCCAGCGGCTGTGCCACTTCTACAGCGCGTATGCCCAGCGAGG
CCCAGTGTGTATCTACCATGAGCTCCAGCTCTCCCCGGCCTGCAAGGTGGCCGACAAGGTGCTGGAGGG
GCAGCTCCTGGAGACCATCAGCCAGCTCTACCTGTCCCTGGGCACCGAGCGGGCTACAAATCCGCACTG
GACTACACCAACGAAGTCTGGGGATTTTCATTGACCTCCAGAAGAAAGAGAAGGAGGCGCATGCCTGGC
TGCAAGCAGGGAAGATCTATTACATCTTGCGGCAGAGCGAGCTGGTGGACCTCTACATCCAGGTGGCACA
GAACGTGGCCCTGTACACAGGCGACCCCAACCTGGGGCTGGAGCTGTTTGAGGCGGCTGGAGACATCTTC
TTCGACGGGGCCTGGGAGCGGGAGAAAGCTGTGTCTTCTACCGGGACCGGGCCCTGCCCTGGCAGTGA
CTACGGGCAACCGCAAGGCGGAGCTGCGGCTGTGCAACAAGCTGGTGGCACTGCTGGCCACGCTGGAGGA
GCCCCAGGAGGGCTTGGAGTTTGCCACATGGCCCTAGCACTCAGCATCACCTGGGGGACCGGTGAAC
GAGCGCGTGGCCTACCACCGCTGGCCGCCCTGCAACACCGACTGGGCCATGGCGAGCTGGCAGAGCACT
TCTACCTCAAGGCCCTGTCGCTCTGCAACTCGCCGCTGGAGTTTGACGAGGAGACCCTCTACTACGTGAA
GGTGTACCTGGTGTGCGTGACATCATCTTCTACGACCTGAAGGACCCGTTTGATGCAGCCGGGTACTAC
CAGCTGGCGCTGGCGGCCGCCGTGGACCTGGGCAACAAGAAGGCACAGCTGAAGATCTACACGCGCTGG
CCACCATCTACCACAACTTCTCCTGGACCGTGAGAAAGTGCCTCTTCTTCTACAGAAGGCCAGGACCTT
CGCCACAGAGCTCAACGTCCGAGGGTCAACCTGCCTCCTCTGCCACTCTGCGGGTGGGCCCCCTGGTTG
GCCCCAGCCACCCTCGC

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG216734 representing NM_018986
Red=Cloning site Green=Tags(s)

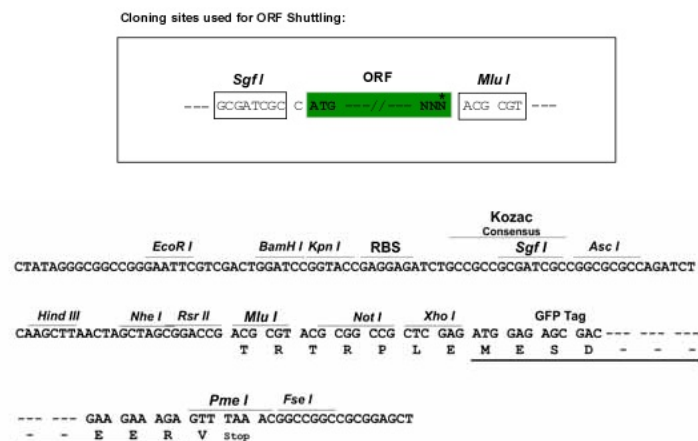
MENLPAVTTEPTPMGRGPVGPSSGGSTRDQVRTVVMRPSVSWEKAGPEEAKAPVRGDEAPPARVAGPAA
GTPPCQMGVYPTDLTLQLLAVRRKSRLRDPGLQQTLRGQLRLLENDREMARVLGEL SARLLSIHSDQDR
IVVTFKTFEEIWKFSYHALGFTHHCLANLLMDQAFWLLPSEEEETAIQVHVDENALRLTHESLLIQEG
PFFVLCPDHHVRVMTGPRDAGNGPQALRQASGAPQGEAAPETDSSPPSPSVSSEEVAVAAPELIPFHQ
WALRIPQDPIDAMGGPVMGPPLMAVGLASALADFQSGSPEEMTFRGGDLIEILGAQVPSLPWCVGRHA
ASGRVGFVRSSLISMQGPVSELSAIFLNEEKSFFSEGCFSEEDARQLLRMSGTDVCSVYSLDSVEEA
ETEQPQEKEIPPPCLSPPEQETLQKVKNVLEQCKTCPGCPQEPASWGLCAASSDVS LQDPEEPSFCLEAE
DDWEDPEALSSLLFLNAPGYKASFRGLYDVALPWLSSVFRSFDEEELTGRLAQARGAAKAGLLMALA
RLCFLLRGRLCSRRLKLSQARVYFEEALGALEGSFGDLFLVAVYANLASIYRKQKNREKCAQVVPKAMAL
LLGTPDHCSTEAEGLLQLALRAVGGQSLQAEARACFLARHHVHLKQPEEALPFLERLLLLHRDSGA
PEAAWLSDCYLLADIYSRKCLPHLVLSCVKVASLRTRGSLAGSLRSVNLVLQNAQPHSLPAQTSYHLR
QALASLTPGTGQALRGPLYTSLAQLYSHHGCHGPAITFMTQAVEASAIAGVRAIVDHLVALAWLHVLHGQ
SPVALDILQSVRDVAVASEDQEGVIANMVAVALKRTGRTRQAAESYYRALRVARDLGQQRNQAVGLANFG
ALCLHAGASRLAQHYLLEAVRLFRLPLGECGRDFTHVLLQLGHLCTRQPAQQGKGYEWALLVAVEMG
HVESQLRAVQRLCHFYSAMPSEAQCVIYHELQLSPACKVADKVLLEGQLLETISQLYLSLGERAYKSAL
DYTKRSLGIFIDLQKKEKEAHAWLQAGKIYYILRQSELVDLYIQVAQNVALYTGDPNLGLLEFEAAGDIF
FDGAWEREKAVSFYRDRLPLAVTTGNRKAE LRLCNKL VALLATLEEPQEGLEFAHMALAL SITLGDRLN
ERVAYHRLAALQHRLGHGELAEHFYKALSLCNSPLEFDEETLYYKVYLVLDIIFYDLKDPFDAAGYY
QLALAAAVDLGNKKAQLKIYTRLATIIYHNFLLDREKSLFFYQKARTFATELNVRVRNLPPLPLCGWAPWL
APSHPR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

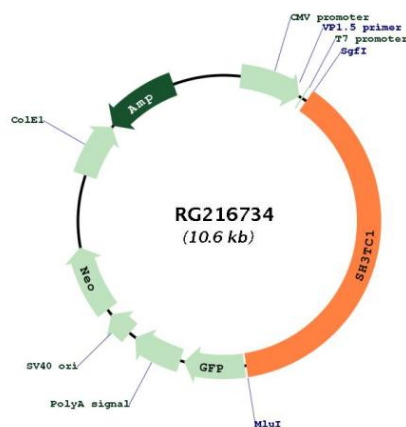


ACCN: NM_018986

ORF Size: 4008 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:	<u>NM_018986.2, NP_061859.2</u>
RefSeq Size:	4239 bp
RefSeq ORF:	4011 bp
Locus ID:	54436
UniProt ID:	<u>Q8TE82</u>
Cytogenetics:	4p16.1
Domains:	TPR, SH3

Product images:



Circular map for RG216734