

Product datasheet for **RG204505**

STX19 (NM_001001850) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	STX19
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204505 representing NM_001001850
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAAAGACCGACTTCAAGAACTAAAGCAGAGAACAAAGGAAATTGAACTCTCTAGAGACAGTCATGTAT
CAACTACAGAAACAGAGGAACAAGGGTGTTTCTACAGCAAGCTGTTATTTATGAAAGAGAGCCTGTAGC
TGAGAGACACCTACATGAAATCCAAAACTACAGGAAAGTATTAACAATTTGGCAGATAATGTTCAAAAA
TTTGGGCAGCAACAGAAAAGTCTGGTGGCTTCAATGAGAAGGTTTAGTCTACTTAAGAGAGAGTCTACCA
TTACAAAGGAGATAAAATTCAGGCAGAATACATCAACAGAAGTTGAATGATTTAGTTAAAGAAGTTAA
AAAGTCAGAGGTTGAAAATGGTCCATCTTCAGTGGTCACAAGGATACTTAATCTCAGCATGCTGCAATG
TTCCGCCATTTTCAGCAATCATGTTTATATACAATGACACAATAGCAGCAAGCAAGAGAAGTGCAAGA
CATTTATTTTACGTCAGCTTGAAGTTGCTGAAAAGAGATGTCTGAAGAAGATGTAATGATATGCTTCA
TCAAGGAAAATGGGAAGTTTTTAATGAAAGCTTACTTACAGAAATCAATATCACTAAAGCACAACTTTCA
GAGATTGAACAGAGACACAAGGAAGTTGTTAATTTGGAGAACCAATAAAGGATTTAAGGGATCTTTTCA
TTCAGATATCTCTTTTAGTAGAGGAACAAGGAGAGAGCATCAATAATTTGAAATGACAGTGAATAGTAC
AAAAGAGTATGTTAACAATACTAAAGAGAAATTTGGACTAGCTGTAATAACAAAAAGAAATCCTTGC
AGAGTACTGTGTTGTTGGTGTCTGCTCATGCTGTAGCTCAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG204505 representing NM_001001850
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MKDRLQELKQRTKEIELSRDSHVSTTETEEQGVFLQQAVIYEREPVAERHLHEIQKLQESINNLDNVQK
FGQQQKSLVASMRRFSLLKRESTITKEIKIQA EYINRSLNDLVKEVKKSEVENGPSVTVTRILKSQAAM
FRHFQQIMFIYNDTIAAKQECKTFILRQLEVAGKEMSEEDVNDMLHQGWVFNESLLTEINITKAQLS
EIEQRHKELVNLENQIKDLRDLFIQISLLVEEQGESINNIEMTVNSTKEYVNNTEKEFGLAVKYKKNPC
RVLCCWCCPCCSSK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001001850

ORF Size: 882 bp

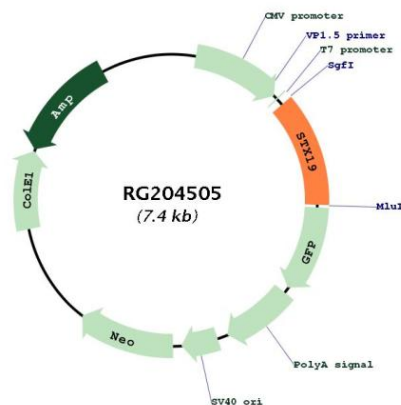
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_001001850.1</u> , <u>NP_001001850.1</u>
RefSeq Size:	1198 bp
RefSeq ORF:	885 bp
Locus ID:	415117
UniProt ID:	<u>Q8N4C7</u>
Cytogenetics:	3q11.2
Protein Families:	Druggable Genome
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	Plays a role in endosomal trafficking of the epidermal growth factor receptor (EGFR). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204505