

Product datasheet for **RG204455**

SECTM1 (NM_003004) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SECTM1
Synonyms:	K12; SECTM
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204455 representing NM_003004
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGACCTGCCCCCTGGCATTCCCTGGCCACGTTTCCCAGGCCCTTGGGACCCTCCTGTTTTGGCTG
CCTCCTTGAGTGCTCAGAATGAAGGCTGGGACAGCCCCATCTGCACAGAGGGGGTAGTCTCTGTGTCTTG
GGGCGAGAACACCGTCATGTCCTGCAACATCTCCAACGCCCTTCTCCCATGTCAACATCAAGCTGCGTGCC
CACGGGCAGGAGAGCGCCATCTTCAATGAGGTGGCTCCAGGCTACTTCTCCGGGACGGCTGGCAGCTCC
AGGTTTCAGGGAGGCGTGGCACAGCTGGTGATCAAAGGCGCCCGGACTCCCATGCTGGGCTGTACATGTG
GCACCTCGTGGGACACCAGAGAAATAACAGACAAGTCACGCTGGAGGTTTCAGGTGCAGAACCCCAAGTCC
GCCCCTGACACTGGGTCTGGCCTGTGCCAGCGGTGGTCACTGCTGTCTTCATCCTCTTGGTCGCTCTGG
TCATGTTGCTGTTACAGGTGCCGCTGTCCCAGCAACGCCGGGAGAGAAGTTCTTCCTCCTAGAACC
CCAGATGAAGTTTCGAGCCCTCAGAGCGGGAGCCAGCAGGGCCTGAGCAGAGCCTCCGCTGAAGTGTGG
ACCCAGACTCCGAGCCCAACCCCAAGGCCGCTGGCACTGGTGTTCAAACCCTCACCACTTGGAGCCCTGG
AGCTGCTGTCCCCCAACCTTGTTCATATGCCGACAGCCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



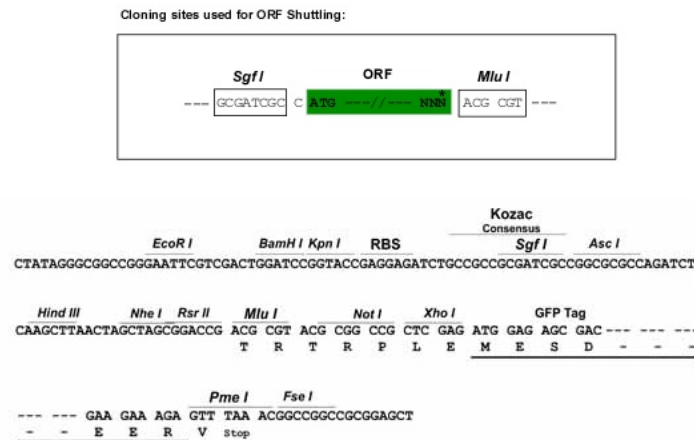
Protein Sequence: >RG204455 representing NM_003004
 Red=Cloning site Green=Tags(s)

MQTCPLAFPGHVSQALGTLLFLAASLSAQNEGWDSPICTEGVVSVWGENTVMSCNISNAFVSHVNIKLRA
 HQQESAIFNEVAPGYFSRDGWLQVQGGVAQLVIKGARDSHAGLYMWHLVGHQRNNRQVTLEVSGAEPQS
 APDTGFWPVPAVVTAFFILLVALVMFAWYRCRCSQQRREKKFFLLEPQMKFAALRAGAQQGLSRASAEW
 TPDSEPTPRPLALVFKPSPLGALELLSPQPLFPYAADP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003004

ORF Size: 744 bp

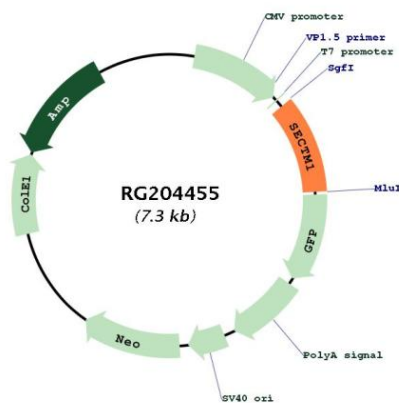
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_003004.2, NP_002995.1</u>
RefSeq Size:	2282 bp
RefSeq ORF:	747 bp
Locus ID:	6398
UniProt ID:	<u>Q8WVN6</u>
Cytogenetics:	17q25.3
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	This gene encodes a transmembrane and secreted protein with characteristics of a type 1a transmembrane protein. It is found in a perinuclear Golgi-like pattern and thought to be involved in hematopoietic and/or immune system processes. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204455