

Product datasheet for **RG218953**

SLTM (NM_001013843) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RG218953 representing NM_001013843
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCCGTACCGGTGCGGTGGCAGCCTCGGCCGCTCGGGTCAGGCGGAAGGTAAAAAGATCACCG
ATCTGCGGGTCATCGATCTGAAGTCCGAGCTGAAGCGGCGGAACCTAGACATCACCGAGTCAAGACCGT
GCTCATCTCCCGACTCAAGCAGGCTATTGAAGAGGAAGGAGCGATCCAGATAATATTGAATTAAGTGT
TCAACTGATACTCCAAACAAGAACCACTAAAGGCAAAGGTAAAAACATGAAGCAGATGAGTTGAGTG
GAGATGCTTCTGTGGAAGATGATGCTTTTATCAAGGACTGTGAATTGGAGAATCAAGAGGCACATGAGCA
AGATGGAAATGATGAAGTAAAGGACTCTGAAGAAATTTGGTGAAGTGAAGAAAGAAATGTGCATTCCAAG
GAGTTACTCTCTGAGAGAAACAAGAGAGCTCATGAATTAATAGAGGAGAGGAATAGAAGATATAG
AAAAAGAGGACATCGAAGTCAGGAAATTAAGCTCAAGAGGTGAAGATGATACCTTTCTAACAGCCCA
AGATGGTGAGGAAGAAGAAATGAGAAAGAAGGAGCCTAGCTGAGGCTGATCACACAGCTCATGAAGAG
ATGGAAGCTCATACGACTGTGAAGAAAGCTGAGGATGACAACATCTCGGTACCAATCCAGGCTGAAGATG
CCATCACTCTGGATTTTATGATGGTGAACCTCTAGAAACAGGTAAAAATGTGAAAATTACAGATTCTGA
AGCAAGTAAGCCAAAGATGGCGAGGACGCCATTGCACAGAGCCCGGAGAAGGAAAGCAAGGATTATGAG
ATGAATGCGAACCATAAGATGGTAAGAAGGAAGACTGCGTGAAGGGTGACCTGTGAGAAAGGAAGCCA
GAGAAAGTTCTAAGAAAGCAGAATCTGGAGACAAAGAAAGGATACTTTGAAGAAAGGCCCTCGTCTAC
TGGGGCTCTGGTCAAGCAAAGAGCTCTTCAAAGGAATCTAAAGACAGCAAGACATCATCTAAAGATGAC
AAAGGAAGTACAAGTAGTACTAGTGGTAGCAGTGAAGCTCACTAAAAATATCTGGTTAGTGGACTTT
CATCTAATACCAAAGCTGCTGATTTGAAGAACCTCTTTGGCAAATATGGAAGGTTCTGAGTGCAAAAGT
AGTTACAAATGCTCGAAGTCTGGGGCAAATGCTATGGCATTGTAACATGTCTTCAAGCAGAGAGGTG
TCCAGGTGATTGCACATCTTCATCGCACTGAGCTGCATGGACAGCTGATTTCTGTTGAAAAAGTAAAG
GTGATCCCTCTAAGAAAGAAATGAAGAAAGAAATGATGAAAGAGTAGTTCAAGAGTTCTGGAGATAA
AAAAATACGAGTGATAGAAGTAGCAAGACACAAGCCTCTGTCAAAAAAGAGAGAAAGATCGTCTGAG
AAATCTGAAAAAAGAAAGCAAGGATACTAAGAAATAGAAGGTAAAGATGAGAAAGATGATAATGGAG
CAAGTGCCCAACATCAGAATCGATTAAAAAAGTGAAGAAAGAAAGCAATAAGTTCCAAGAGTCCAGG
ACATATGGTAATACTAGACCAAACTAAAGGAGATCATTGTAGACCATCAAGAAGAGGAAGATATGAGAAA
ATTCATGGAAGAAGTAAGGAAAGGAGAGAGCTAGTCTAGATAAAAAAGAGATAAAGACTACAGAAGGA
AAGAGATCTTGCCTTTTGAAGATGAAGGAACAAAGGTTGAGAGAACATTTAGTTCTGTTTGAAGGCT
GCGACGAGCAATGGAACCTCGAAGACGAAGAGAGATTGCAGAGAGAGAGCGTCGAGAGCGAGAACGCATT
AGAATAATTCGTGAACGGGAAGAACGGGAACGCTTACAGAGAGAGAGAGAGCGCTAGAAATTGAAAGGC
AAAACTAGAGAGAGAGAGAATGGAACGCGAACGCTTGGAAGGGAACGCATTGATTTGAACAGGAACG
TCGTAAGGAAGCTGAACGGATTGCTCGAGAAAGAGAGGAACCTCAGAAGGCAACAACAGCAGCTTCGTTAT
GAACAAGAAAAAGGAATTCCTTGAACGCCCACGTGATGTAGATCATAGGCGAGATGATCCTTACTGGA
GCGAGAATAAAAGTTGTCTCTAGATACAGATGCACGATTTGGCCATGGATCCGACTACTCTGCCAACA
GAACAGATTTAATGACTTTGATCACCGAGAGAGGGCAGGTTTCTGAGAGTTCAGCAGTACAGTCTTCA
TCTTTTGAAGGCGGGATCGCTTTGTTGGTCAAAGTGAGGGGAAAAAGCACGACCTACTGCACGAAGGG
AAGATCCAAGCTTCGAAAGATATCCAAAAATTCAGTGACTCCAGAAGAAATGAGCCTCCACCACCAAG
AAATGAACTTAGAGAATCAGACAGGCGAGAAGTACGAGGGGAGCGAGACGAAAGGAGAACGGTGATTATT
CATGACAGGCCTGATATCACTCATCTAGACATCTCGAGAGGCAGGGCCCAATCCTTCCAGACCCACCA
GCTGGAAAAAGTGAAGGAAGCATGTCCACTGACAAACGGGAAACAAGAGTTGAAAGGCCAGAACGATCTGG
GAGAGAAGTATCAGGGCACAGTGTGAGAGGCGCTCCCCTGGGAATCGTAGCAGCGCTTCGGGGTACGGG
AGCAGAGAGGGAGACAGAGGAGTATCACAGACCGAGGAGGTGGATCACAGCACTATCCTGAGGAGCGAC
ATGTGGTTGAACGCCATGGACGGGACACAAGCGGACCAAGGAAAGAGTGGCATGGTCCACCTCTCAAGG
GCCTAGCTATCATGATACGAGGCGAATGGGTGACGGCCGGCAGGAGCAGGCATGATAACCCAACATTCA
AGTAACGCATCCCAATTAATAGAATTGTACAAATCAGTGGCAATTCATGCCAAGAGGAAGTGGCTCCG
GATTTAAGCCATTTAAGGGTGGACCTCCGCGACGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218953 representing NM_001013843

Red=Cloning site Green=Tags(s)

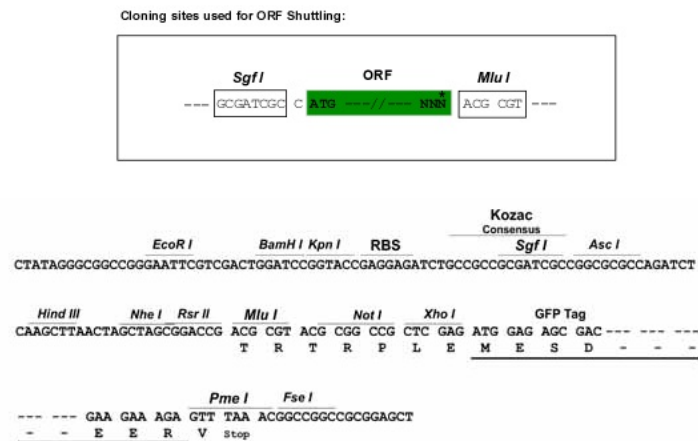
MAAATGAVAASAASGQAEKKITDLRVIDLKLSELKRRNLDITGVKTVLISRLKQAIIEEGGDPDNIELTV
STDPNKKPTKGKGGKHEADELSGDASVEDDAFIKDCELENQEAHEQDGNDELKDSEEFGENEEENVHSH
ELL SAEENKRAHELIEAEGIEDIEKEDIESQIEAQEGEDDTFLTAQDGEEENEKEGSLAEADHTAHEE
MEAHTTVKEAEDDNISVTIQAEDAITLDFDGDLLLETGKNVKITDSEASKPKDQDAIAQSPEKESKDYE
MNANHKGKEDCVKGDVPEKEARESSKKAESGDKEKDTLKKGPSSTGASGQAKSSSKESKDSKTSKDD
KGSTSTSGSSGSSTKNIWVSLSSNTKAADLKNLFGKYGKVL SAKVVVNARSPGAKCYGIVTMSSTEV
SRCIAHLHRTLHGQLISVEKVGKDPSSKEMKENDKSSSRSSGDKKNTSDRSSKTQASVKKEEKRSSE
KSEKESKDTKKIEGKDEKNDNGASQGTSESIKKSEEKKRISKSPGHMVILDQTKGDHCRPSRRGRYEK
IHGRSKEKERASLDKKRDKDYRRKEILPFEKMKEQRLREHLVRFERLRRAMELRRRREIAERERRERERI
RIIREREERERLQREERERLEIERQKLERERMERERLERERIRIEQERRKEAERIAEREREELRRQQQLRY
EQEKNSLKRPRDVRHRRDPYWSENKLSLTDARFGHSDYSRQQRNFNDFHRRERGRFPESAVQSS
SFERRDRFVGQSEKKARPTARREDPSFERYPKNFSDSRNEPPPPRNELRESDRREVRGERDERRTVII
HDPDITHPRHPREAGNPSPRPTSWKSEGSMTDKRETRVERPERSGREVSGHSVRGAPPGNRSSASGYG
SREGDRGVITDRGGGSQHYPEERHVVHRGRDTSGRPRKEWHGPPSQGPSYHDTRRMGDGRAGAGMITQHS
SNASPINRIVQISGNSMPRGSGSGFKPFKGGPPRRF

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

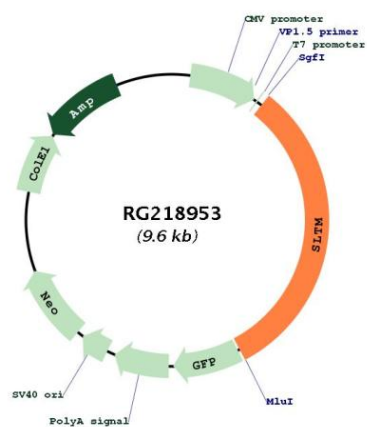
NM_001013843

ORF Size:

3048 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:	NM_001013843.3
RefSeq Size:	4110 bp
RefSeq ORF:	3051 bp
Locus ID:	79811
UniProt ID:	Q9NWH9
Cytogenetics:	15q22.1
Gene Summary:	When overexpressed, acts as a general inhibitor of transcription that eventually leads to apoptosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218953