

Product datasheet for **RG234721**

MST1L (NM_001271733) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MST1L (NM_001271733) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MST1L
Synonyms:	BRF-1; D1F15S1A; MSPL-7; MSPL7; MST1P9; MSTP7; MSTP9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG234721 representing NM_001271733
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGCCTGCCCCAGTCACCCTGCTGGCCCCTGGGGCAGCATCCTCAATGTCTTGCAGCCAGCCCGGGC
 AGCGCTCGCCATCGAATGACTTCCAGGTGCTCCGGGGCACAGAGCTACAGCACCTGCTACATGCGGTGGT
 GCCCGGGCCTTGGCAGGAGGATGTGGCAGATGCTGAAGAGTGTGCTGGTCGCTGTGGGCCCTTAATGGAC
 TGCTGGCGTTCCACTACAATGTGAGCAGCCATGGTTGCCAACTGCTGCCATGGACTCAACACTCGCCCC
 ACTCAAGGCTGTGGCATTCTGGGCGCTGTGACCTTCCAGGAGAAAGCGAGTGGGGGTACATGCCAC
 GCTCCGAATGGCTGGAAGAGAACTTCTGCCGTAACCCTGATGGCGACCCCGGAGGTCTTGGTGCCAC
 ACAACAGACCCTGCCGTGCGCTTCCAGAGCTGCAGCATCAAATCTGCCGGTGGCCGCTGTGTCTGGT
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 TCAGCACCCGACACGACCCCTTCGAGCCGGGAAGTTCCTCGACCAAGGTCTGGACGACAATATTGC
 CGGAATCTGACGGCTCCGAGCGGCCATGGTGCTACACTACGGATCCGCAGATCGAGCGAGAGTTCTGTG
 ACCTCCCCCGCTGCGGGTCCGAGGCACAGCCCCGCCAAGAGGCCACAAGTGTGAGTGTCTCCGCGGGAA
 GGGTGAGGGCTACCGGGGCACAGCCAATACCACCACCGCGCGTACCTTGCCAGCGTTGGGACGCGCAAA
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 GGACGTGCTGCTGCGGAGACCTTCGGGAGAACTTCTGCTGGAACCTCGACGGCTCAGAGGCGCCCTGGTG
 CTTACCCCTGCGGCCCGGCACGCGCGTGGGCTTTTGCTACCAGATCCGGCGTTGTACAGACGACGTGCGG
 CCCCAGGACTGCTACCAGGCGCGGGGGAGCAGTACCGCGGCACGGTCAGCAAGACCCGAAGGGTGTCC
 AGTGCCAGCGCTGGTCCGCTGAGACGCCGCACAAGCTGCAGGCCCTAACCTGGGCGGCATGCTTTGAT
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 GGCCATCCGGGCAACTCACCTGGACAGTCAGCTTGGGAATCGCCATATGCCTCTACGGGCTATGAGG
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 GATGCTGTGTGGCCCTCAGGCTCCAGCTTGTCTGCTCAAGCTGGAGAGATCTGTGACCTGAACCAG
 CGTGTGGCCCTGATCTGCCTGCCGCTGAATGGTATGTGGTGCCTCCAGGGACCAAGTGTGAGATTGCAG
 GCTGGGGTGAGACCAAGGTACGGGTAATGACACAGTCCTAAATGTGGCCTTGCTGAACGTCATCTCCAA
 CCAGGAGTGTAACATCAAGCACCAGGACATGTGCGGGAGAGCGAGATGTGCACTGAGGGACTGTTGGCC
 CCTGTGGGGGCTGTGAGGGTGAATACGGGGGCCCACTTGCTGCTTTACCCACAACCTGTGGGTCTGTA
 AAGGAATTAGAATCCCCAACCGAGTATGCACAAGGTGCGCTGGCCAGCCGCTTTCACGCGTGTCTCTGT
 GTTTGTGGACTGGATTACAAGGTCATGAGACTGGGT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

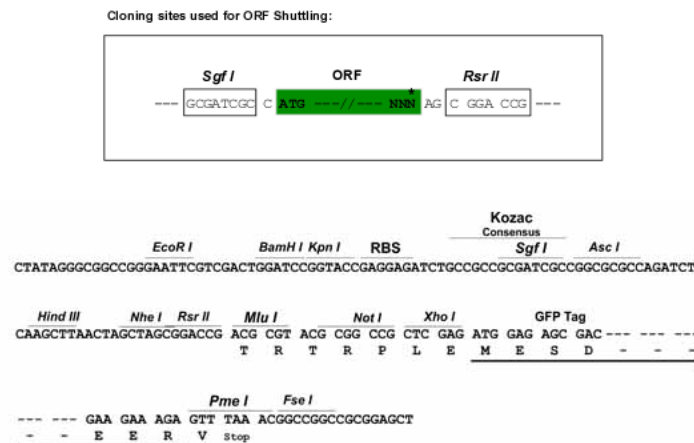
Protein Sequence: >RG234721 representing NM_001271733
 Red=Cloning site Green=Tags(s)

MAPAPVTL LAPGAASSMSCSQPGQRSPSNDFQVLRGTELQHLLHAVVPGPWQEDVADAEECAGRCGPLMD
 CWAFFHYNVSSHGCQLLPWQHSPHSRLWHSGRCDLFQEKGEWGYMPTLRNGLEENFCRNPDGDPGGPWCH
 TTDPAVRFQSCSIKSCRVAACVWCNGEEYRGAVDRTESGRECQRWDLQHPHQHPFEPGKFLDQGLDDNYC
 RNPDGSERPWCYTTPQIEREFCDLPRCGSEAQPRQEATSVSCFRGKGEGYRGTAANTTTAAYLASVGTRK
 SHISTDLRQKNTRASEVGGGAGVGTCCCGDLRENFCWNLDGSEAPWCFTLRPGTRVGFQYQIRRCTDDVR
 PQDCYHGAGEQYRGTVSKTRKGVQCQRWSAETPHKLQALTLGRHALMSGTRAWKWLRLPCHDFAPAPASV
 HIYLRTACTTGELLDPDGDGSHGPWCYTMDPRTPFDYCALRRCDQVQFEKCGKRVDRLDQRRSKLRVAG
 GHPGNPWTVSLRNRHMPLTGYEVWLTGLFQNPQHGEPLQRPVPAKMLCGPSGSQVLVLLKERSVTLNQ
 RVALICLPPEWYVPPGKCEIAGWGETKGTGNDTVLNVALLNVISNQECNKHRRGHVRESEMCTEGLLA
 PVGACEGDYGGPLACFTHNCWVLKGIRIPNRVCTRSRWPVAFTRVSFVVDWIHKVMRLG

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001271733

ORF Size: 2067 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: [NM_001271733.1](#), [NP_001258662.1](#)

RefSeq Size: 4668 bp

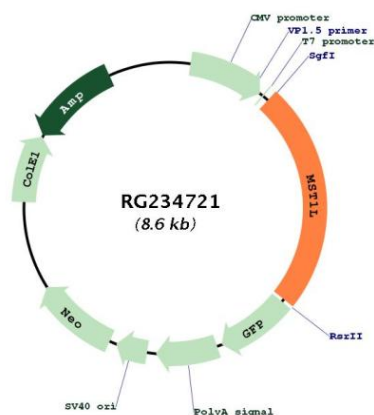
RefSeq ORF: 2070 bp

Locus ID: 11223

UniProt ID: [Q2TV78](#)

Cytogenetics: 1p36.13

Product images:



Circular map for RG234721