

Product datasheet for **MR218741**

Ston1 (NM_029858) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ston1 (NM_029858) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ston1
Synonyms:	4921524J06Rik; C86231; Salf; Sblf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218741 representing NM_029858
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATTCTACAAACCCGGGAGCTGGGTACCTTTGATGATGACCTGCTTTTCAATCTTCTCAGAAAA
 GAAAGGATTTTTCTGGAGACTCAGGGTGTGGTAGACCAAACGACTGAAGCTGACCCTTCTACCCCT
 CCGGGACCCTCCAGCACCCCTCTCTGCCAGCAGCACCCCTGTCTCTCCCATGGTGGATTTTAT
 TTCAGTCCAGGACCCCAAGCAACTCCCCTCTTCTACACCCACCAAGACTTCCAGGGTTCCCTGGCA
 TCCCTAAAGCAGGGACACATGTGCTTTATCCTATTCCAGAGTGTCTTCAAGCAGTGCCCCACAACGGC
 GGGAGGAGTGGTCCCCATTACTACTAAGCCAGACTGCTCCCCCATGTATCGTTACCCAGTAGC
 CACTCCACACTCAGCCACTCCAACACTCGGTTTTACAGAAGACGCTGGCCCTCAGCGGTCCAAAGCG
 AGGCTCGGCAGTTCGAATATTTTCAGGACCATTGTGCTTCTCCAACCCATTTGGAAAGATGAAGGTAG
 CGTTCCCGTTCCCCCTTGACTCCCTGGCAAGCAGAAAGCCGTTCTACCAAAGGACAAGGAGGTACCT
 ATTGGCCACAAAAGCCTAACCCAGTGTCACTGGACTACATCTGCGAGAAGCTGGAACACTTGCCTCAG
 CGGAGACCCAAGACCCTCTGGAGATTTGTCTATGCAGGATCCATATGCAGGAGACACAGTCTCGTTTGT
 CCCACACTCCCTCTCCGGAGTCAGCCAGAGCTGGATGGTCTTCATGCTGAGGATCCCGAGAAGAAG
 AACATGATGTCTCCCGCAATGGGGACCCATTTTCTAAAGGTTCTTCTGGAGGGATTCTGCAGATGT
 ACTATGAGAAGGGGTAGAAAAACCATCAAAGAGTTCAGCTTGACCCACATTGCAGGCTTTCTGAGCC
 CAAACTCGAGAATTGAGCATGGCAGGGAAAAATCCACACCGTGAAGGTGGAACACGTGTCTTACTCAGAG
 AAAAGGAAATACCATGCCAAGACAGAGGTGGTTCACGAGCCGGAAGTGGAGCAGATGCTGAAGCTGGGT
 CCACGGAAACCCGTGACTTCTCGAGTTTCTGACTACCGTGAAGAGGAGCTAATAAAGCTGCCGGCTAC
 TGCCAAGCCCAAGAACAAGCTACGAGGAACAAGAAATTTGCCTGGACATTCAGGACAGCCTTTGGGGT
 AAAGTAACCAAAGAGGGGAGCTGGTGGAAAGCGCCGTGGTAACCTCAGATCTGCTGCCTCTGCTTCTCA
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 GAAAGAACCGGAAAAAAGGGGATTGCTATTCTTGACTACCATTCCATACGTGTGTGAAGGCTGAAGAA
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 CCTCGTACGAAGCGGGTGAAGTCCCTTTGCGGTGAAGTCCGTAGTAACCTGTCAGGGAGCCTATGTGGA
 GCTGCAGGCTTTGTCAACATGACCCAGCAGCTCAGGGGTACCCCATGCCGGTGCCTGAGGAGCTGT
 AACATATCATGATTCATTTTCTGTCCAGCCAGTGGATCAAGGCCCTCTGGACCAGGAACCTTCAGA
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 GACCGGCTTCCGGATAAAAACTCAAGTCTGATCAGCCCCATTGTCTGTACATAAACTAGAACTGGGT
 CAGACCAGGAAGTCCCTCAGATTGGTATCCATTTGCTACTGTCCAGTTTCCATGCTTGAAGCCTGTGC
 CTCAAGGACAGAGGTGAGGTCTCTGGGAGTGGAGAGCGATGCCAGCCTCAGAAGCACGTGTGTGAGCGA
 GCTTGCTACAACATCCAGGTTGAAATAGAAAAGAGTGGATTCAAGTAGATGGAGAAGACGCAGATAAAA
 CTGGTGGCTGTGTAACCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218741 representing NM_029858
Red=Cloning site Green=Tags(s)

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MYSTNPGSWVTFDDDDPAFQSSQKRKDFSLETQGVCRPNGLKLTLPTRDPPSTPSSASSTPLSSPMVDFY
FSPGPPNSPLSTPTKDFPGFPGIPKAGTHVLYPIECCSSSAPTAGGVGPPLLLTKPDCSPHVSPLSS
HSHTQPTPTLGFTEADGPRVQSEARQFEYFQDHCAFSNPFWKDEGSASPFLDSLASRKPFSPKDKVEP
IGHKSLTQCSDYICEKLEHLHSAETQDPLGDL SMQDPYAGDTSFVPHSLFRSQPRAGWSFMLRIPEKK
NMMSSRQWGP IFLKVLPGGILQMYEKGLEKPFKEFLDPHCRLSEPKLENFSMAGKIHTVKVEHVSYSE
KRKYHAKTEVVHEPEVEQMLKLGSTEHRDFLEFLT TVEEELIKLPATAKPKNKSYEEQEICLDIQDSLWG
KVTKEGQLVESAVVTQICCLCFLNGPAECLALNDRELQKRDECYFEKEPEKKGIAILDYHFHTCVKAEE
FEQSRIIKFVPLDACRFELMRFKTSYEAGELPF AVKSVTVQGAYVELQAFVNMTPAAQGSFHAGALRSC
NNIMIHFVPAQWIKALWTRNLQRQKSLKAKMNRRACLGSLQEPESQPIQVTVGS AKYESAYRAVWVKI
DRLPDKNSPDQPHCLSYKLELGS DQEVPSDWYPFATVQFSMLEACASRTEVRS LGVESDAQPKHVCQR
ACYNIQVEIEKKWIQVDGEDADKTGGCVTQ
    
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9096_g09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

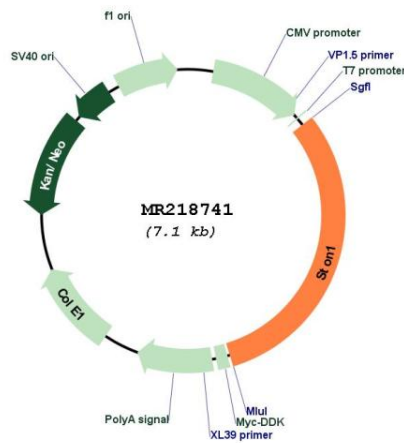
ACCN: NM_029858

ORF Size: 2190 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:	<ol style="list-style-type: none"> 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_029858.2, NP_084134.2</u>
RefSeq Size:	2983 bp
RefSeq ORF:	2193 bp
Locus ID:	77057
UniProt ID:	<u>Q8CDJ8</u>
Cytogenetics:	17 E4
MW:	81.8 kDa
Gene Summary:	May be involved in the endocytic machinery.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR218741