

Product datasheet for **RR217148**

Ston1 (NM_182954) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ston1 (NM_182954) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ston1
Synonyms:	Salf; Sblf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR217148 representing NM_182954
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTTCTACAACCCAGGCAGCTGGGTACCTTTGACGATGACTCTCTTTTTCAGTCTTCTCCGAAGA
 AAAAGGATTTATCTCTGGAGACTCAAGGTGTTTGACAGACCAAATGGACTGAAGCTGGACCTTCTGGCCT
 CAGGGACCTTCCAATACCCCTCTCCACCGGCAGCACCCCTTTGTCCTCTCCCATGGTGGACTTTTAC
 TTCAGTCCAGGGCCTCCAAGCAACTCGCTCTTTCTACACCCACCAAAGACTTCCCGGGGTTCCCTGGCA
 TCCCTAAAGCGGGACACATGTGCTTTATCCTATTCCAGAGTGTCTTCAAGCGTCCCCCACAACAGC
 GGGAGGAGCAGGTCCCCGTTTACTACTAAGCCAACCTGCTCACCCCATGTATCGTTACCCAGTGGC
 CACTCGCACACCCAGTACTCCACAGCGGTCTTACAGAAGACGCCAGCCCTCGGGGGTCCAAAGCG
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 AAGCTGGTGGCTGTGTGACTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217148 representing NM_182954
Red=Cloning site Green=Tags(s)

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MCSTNPGSWVTFDDDSL FQSSPKKKDL SLETQGVCRPNGLKLDLPGLRDL PNTPSSTGSTPLSSPMVDFY
FSPGPPNSPLSTPTKDFPGFPGIPKAGTHVLYPIEPCSSSGPPTTAGGAGPPLSLTKPTCSPHVSLPSG
HSHTQLTPTAGL TEDASPRGVQSEARQFEYFQDDCAF SNPFWKDEGNSQFPFDSLASRKLFSRDKVEVP
DDQKSLNQCSLNYICEKLEHLQSAETQDPLGNLSMQSSYAGGTF SFVPHTLFRSQPKAGWSFMLRIPEKK
NMMSSRQWGP IFLKVLPGGILQMYYEKLEKPFKEFQLNPHCRLSEPKLENF SMAGKIHTVKVEHVSYSE
KRKYHSKVEVVHEPEVEQMLKLGSTEHRDFLEFLT TVEEELVKLPATAKPKNKIYEEQE IHL DILDSFWG
KVTKEEGLVESAVLTQVCCFLNGPAECFLALNDLELQKRDERYFEKEPEKRGIDILNYHFHTCVNAE
EFERSRIK FVPPDACRFELMRFR TSSGDEL PFSVKSI VTVQGAYVELQAFVNMTPAVQ RSPHAGSLRS
CNNIMIHFVPAQWIKALWTRNLQRQKSLKAKMNRRA CLGSLQGPELEPVIQVTVGSAKYESAYRAVVWK
IDRLPDKNTSPDQPHCLSYKLEL GSDQEVPSDWDPFATVQFSMSEACASRTEVRS LGVESDAQPQKHVCQ
RACYNIQVEIEKKWIQIDGEDPDKAGGCVTQ
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_182954

ORF Size: 2193 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_182954.2](#), [NP_891999.2](#)

RefSeq Size: 3131 bp

RefSeq ORF: 2196 bp

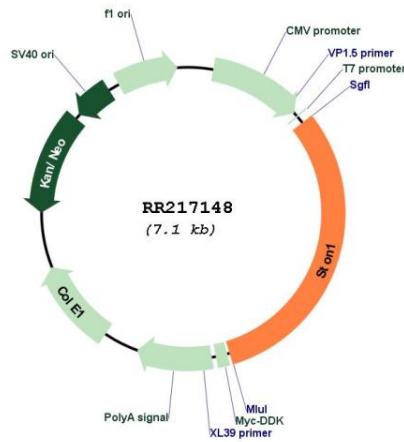
Locus ID: 360202

Cytogenetics: 6q12

MW: 81.9 kDa

Gene Summary: transcription factor; human homolog is an adaptor protein that interacts with components of the endocytic machinery [RGD, Feb 2006]

Product images:



Circular map for RR217148