

Product datasheet for **RN207417**

Ston2 (NM_001135874) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ston2 (NM_001135874) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ston2
Synonyms:	RGD1311502
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN207417 representing NM_001135874

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGACCTTGGACCATGTCATTGCCACCCACCAGTCAGAGTGGGTCTCCTTCAGTGAAGAGCCATTGT
 TCCCCACCCCTTTAGAGGGGGGCACTGAAGAGCACTTCCAGGATTGTCATCTTCTCAGACCGGTCTGA
 GAGCTCCTCTGGGGAGAATCATGCAGTGGACGAAGGCTCGCAGGACCTTTCACTCTGAGCAGGATGAC
 TCCTCTGAAAAGATGGGCCTCATCTCTGAAGCAGCCTCCCTCCGGGGAGCCCTGTGCAGCCACACCTG
 ATCTGGCCTCAGCCATCAGCAACTGGGTCCAGTTTGAAGATGACACACCCTGGAGCAACCTCAGCACC
 GCACAAGGAGACAGCCCTCACATTGACCGTGCCCTGCTGGACATGCCCTTCTTGGACTCTTTGAGAAGA
 TGCCCTTTGGCGTCCGAGAGCAGTTGGACCACCCATTCTGAGGACACCAGCAGCCCTAGTGTGCTCCAT
 CATATACAGACCTGCAGCTCATCAACGCTGAGGAACAGGCAAGCGGCAGGGCTTCTGGGACCGACTCCAC
 CGACAATTCCTCCTCCCTCCAGGAAGATGAAGAAGTAGAAATGGAGACCATCAGTTGGTGGGCAGGCAGT
 CCAGCCATGAACGGGCATCCTGCCGTCCACAGGTGACCACTGCTCGTTTCCCCAGCTGGGTACACCTTTG
 AAGACAATGAAGTCGGCTGCCCTTCGCCAACAGTCCCCTCTCAAAGAAGCCAAATGCTCCATCTGCTGC
 AACTGCTGGCCCAGAGCTACCTTCAACTCAACTGGGTCAATTAAGAGGGACCGTCCCAAGGCACACTG
 ATGAACTTATCCAAAGTTCAAGAGCTGGACATATCCTCCTTAAACCGTCCACCTTCTGTCACGGAGGCC
 CACCCTGGAGGGCCACCAATCCTTCTGAATGAGTCGCTCCAGGACATACAGCCCTCCCCATCAACCC
 GTTCAGTGCTTTCTTGAAGAGCAGGAACGGCGCTCCAAAACAGTTCATTTCCGGTACCTCGGGCAAA
 AGCCAAAGAGATTCTCTGATTGTCATCTACCAGGATGCCATCAGCTTTGATGATTACGGCAAAAGCCAGT
 CCCACCCGACGCTATTGAAAAGCTCAAGCAACTCCAAATTGATGATCCCGATCCCGTTGGCAATGCAGC
 CCTGCCCGATGACGACCCACAGCCTCGGTTGAACCCGATGCGCCCTCACCCACCTCAGCGCTATCTCAG
 CCCAGGGATGGATGGCCAATGATGCTGAGAATCCCGGAGAAGAAAAACATCATGCTCTCAGGCACTGGG
 GACCAATCTACATCAAACTGACTGACAGTGGTTACCTGCAGCTGTATTACGAGCAAGGCCTAGAAAAACC
 ATTCCGGGAATCAAGCTGGAGATCTGCCACGAGGTGTCGGAACCCCGGCTCCAAAATATGATGAGAAT
 GGGAGGATCCACAGCTTGAAGATAGACCGGTCACTTACAAGGAGAAGAAGAAATACCAGCCCAAGCCTG
 CTGTGGCCCATGCAGCCGAAAGGGAACAGGTAATTAACCTGGGCACCACCAACTACGACGACTTCTGAG
 CTTTCATCCACGCGGTTCAGGACCGCCTCATGGATTACCAGTGCAGTCGATGGACTTGAGCAGATTGGC
 TTAACCTACCTCGAAGAGGAGATTACAGTGGACATCCGAGATGAGTTCTCTGGCACAGTAAGCAAAGGAG
 ACAACCAGATCCTACAGCACACGCTCTGACACGATCCACATACTGAGTTTCTCTCTGGGCTCGCCGA
 GTGCCGCTTGGGCCTCAACGACATCCTCATCAAAGGGAACGAAATCGTCTCCCGGAGGACATCATGCC
 ACCACCACCACCAAGTGGATCAAGCTCCACGAGTGCCGTTTCCACGGGTGCGTGGACGAGGACGTGTTTA
 ACAGTTCCCGGTCATTCTGTTCAACCTCTGGATGCCTGCCGTTTCGAGCTAATGAGGTTACGACCGT
 GTTTGCCGAGAAGACCTTGCCCTTACCCTCAGGACAGCAGCGAGCATTAAACGGGCGGAAGTGGAGGTG
 CAGAGCTGGCTGAGGATGTCTCCCGCTTCTCTTAACCGTGACCTCTCACTCAGGTTCCCTGTGAGA
 ACGTAATGGTTCGCTACCCAGTACCCAGTGAAGTGGGTGAAAACTTCCGAGGGAAGTGTCTAGGGGA
 AAAGTCTTTGAAAGCCAAAGTGAACCGGGGGCAAGTTTGGCTCCGCTGGCGCCTCTGGCTCGGAGCCC
 GTCATGAGAGTAACCTCTGGGAACAGCCAAGTACGAGCACGCCTTCAACTCCATTGTGTGGAGGATAAAC
 GGCTGCCAGACAAGAACTCAGCTTCTGGCCACCCACACTGTTTCTTTGCCACCTGAACTTGGCTCTGA
 CCGGGAAGTGCCTTCCAGATTGCAATCATGTAACGTCGAGTTCAGCATGCCACGACGCTGCTCCTCC
 AAAGCAGCTGTGAGATCCATCTCTGTGGAAGACAAGCCCGATGTCAGGAAGTGGGTCAATTATCCGCAC
 ACTACAGCTACAAGGTGGAAATTGAACAAAAAAGAGTTTGAAGCCAGACTTTGAGGGAGAGGACTTGGA
 AAACCCAAAGGAATGTGGGTACAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001135874

Insert Size:	2688 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001135874.1, NP_001129346.1</u>
RefSeq Size:	3185 bp
RefSeq ORF:	2688 bp
Locus ID:	314349
UniProt ID:	<u>D4AB66</u>
Cytogenetics:	6q31
Gene Summary:	Adapter protein involved in endocytic machinery. Involved in the synaptic vesicle recycling. May facilitate clathrin-coated vesicle uncoating (By similarity).[UniProtKB/Swiss-Prot Function]