

Product datasheet for **RR203846**

Src (NM_031977) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Src (NM_031977) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Src
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR203846 representing NM_031977
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAGCAACAAGAGCAAGCCCAAGGACGCCAGCCAGAGGCGCCGAGCCTGGAGCCCGGAGAACG
 TGCATGGGGCAGGTGGCGCCTTCCCTGCCTCACAGACACCAAGCAAGCCTGCCTCCGCCGATGGCCACCG
 CGGGCCCAATGCCGCCTTTGTGCCCCCGCGGCCGAGCCAAAGCTCTTCGGAGGCTTCAACTCTCG
 GACTGTACCTCCCCACAAAGGGCGGGGCTCTGGCAGGTGGGGTACTACCTTTGTGGCCCTCTATG
 ACTATGAGTCACGGACAGAGACTGACCTGTCTTCAAGAAAGGGGAGCGGCTGCAGATTGTCAATAACAC
 GAGGAAGTGGATGTGAGAGAGGAGACTGGTGGCTGGCACACTCGTGAGCACCGGACAGACCGGTTAC
 ATCCCCAGTAACATGTGGCGCCTCCGACTCCATCCAGGCTGAGGAGTGGTACTTTGGCAAGATCACTA
 GACGGGAATCAGAGCGGCTACTTCTCAACGCCGAGAACCCAGAGGGACCTTCTCGTGAGGGAGAGTGA
 GACCACAAAAGGTGCCTACTGCCTCTGTATCCGACTTTGACAATGCCAAGGGCCTAAATGTGAAACAC
 TACAAGATCCGGAAACTGGACAGTGGCGGATTCTACATCACTCCCGCACGCAATTAACAGCCTGCAGC
 AGCTTGTGGCTTACTACTCCAAACATGCTGATGGCCTGTGTACCCGTCTCACTACCGTGTGTCCACATC
 CAAGCCTCAGACCCAGGGCCTGGCCAAGGATGCGTGGGAGATCCCCGGGAGTCCCTGCGGCTGGAGGTC
 AAGCTGGGCCAGGGTTGCTTCGGAGAGGTGTGGATGGGGACCTGGAACGGCACCACGAGGGTTGCCATCA
 AAACCTGAAGCCAGGCACCATGTCTCCAGAGGCTTCTGCAGGAGGCCAAGTCATGAAGAACTGAG
 GCATGAGAAGCTGGTGCAGCTGTATGCCGTGGTGTGAGAAGAACCATTTACATTGTGACAGAGTACATG
 AACAAAGGGGAGTCTGCTGGACTTTCTCAAGGGGAAACGGGCAAACTTGGCGCTACCCAGCTGGTGG
 ACATGTCTGCTCAGATTGCTTCAGGCATGGCCTATGTGGAGCGGATGAACATGTGCACCCGGGACCTCCG
 AGCCGCCAATATCCTGGTTGGCGAGAACCTGGTGTGCAAAGTGGCCGACTTTGGGCTGGCCCGGCTCATA
 GAGGACAACGAATACACAGCTCGCAAGGTGCCAAATCCCCATCAAGTGGACCGCCCTGAAGCGGCTC
 TGTATGGCAGGTTACCATCAAGTCGGACGTGTGGTCTTTGGAATCCTGCTGACTGAGCTCACCCTAA
 GGGCAGAGTGCCTATCCTGGGATGGTGAACCGAGAGGTGCTGGACCAGGTAGAGCGGGCTACCGGATG
 CCTTGTCCCCCGAGTGCCTGAGTCCCTGCATGACCTCATGTGCCAGTGTGGCGGAAGGAGCCTGAGG
 AGCGGCCACCTTCGAGTACCTGCAGGCCTTCTGGAGGACTACTTTACGTCCACGGAGCCGAGTACCA
 GCCCGGGGAGAACCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203846 representing NM_031977
 Red=Cloning site Green=Tags(s)

MGSNKSQPKDASQRRRSLEPAENVHAGGAFPASQTPSKPASADGHRGNAAAFVPPAAAEPKLFGGFNSS
 DTVTSPQRAGPLAGGVTTFFVALYDYESRTETDL SFKKGERLQIVNNTKVDVREGDWLHSLSTGQGTGY
 IPSNYVAPSDSIQAEWYFGKITRRESERLLLNAENPRGTFLVRESETTKAYCLSVSDFDNAKGLNVKH
 YKIRKLDSSGGFYITSRTQFNSLQQLVAYYSKHADGLCHRLTTVCPTSKPQTQGLAKDAWEIPRESLRLEV
 KLQGCFCGEVWMTWNGTTRVAIKTLKPGTMSPEAFLQEAQVMKKLRHEKLVQLYAVVSEEPYIYIVTEYM
 NKGSLDLFLKGETGKYLRLPQLVMSAQIASGMAYYVERMNYVHRDLRAANILVGENLVCKVADFGLARLI
 EDNEYTARQGAQKFPKWTAPEAALYGRFTIKSDVWSFGILLTELTTKGRVPYPMNVNREVLVDQVERGYRM
 PCPPECPELHDLMCQCWRKEPEERPTFEYLQAFLEDYFTSTEPYQYQGENL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

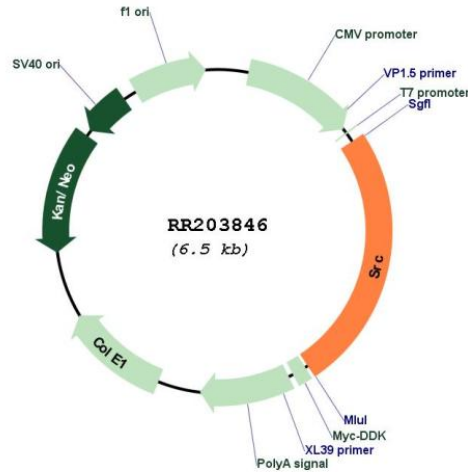
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_031977

ORF Size: 1626 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_031977.1](#), [NP_114183.1](#)

RefSeq Size: 2001 bp

RefSeq ORF: 1629 bp

Locus ID: 83805

UniProt ID: [Q9WUD9](#)

Cytogenetics: 3q42

MW: 60.7 kDa

Gene Summary: mediates growth effects of both the precursor and fully processed forms of gastrins on rat intestinal epithelial cells [RGD, Feb 2006]