

Product datasheet for **SC125208**

SRC (NM_005417) Human Untagged Clone

Product data:

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|---------------------------|--------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | SRC (NM_005417) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SRC |
| Synonyms: | ASV; c-SRC; p60-Src; SRC1; THC6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >SC125208 representing NM_005417.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGTAGCAACAAGAGCAAGCCCAAGGATGCCAGCCAGCGCGCCGAGCCTGGAGCCCGCCGAGAAC
GTGCACGGCGCTGGCGGGGGCGCTTTCCCGCCTCGCAGACCCCAAGCCAGCCTCGGCCGACGGC
CACCGCGGCCCAAGCGCGGCTTCGCCCGCGCGCCGAGCCCAAGCTGTTCCGAGGCTTCAACTCC
TCGGACACCGTCACTCCCGCAGAGGGCGGGCCCGCTGGCCGGTGGAGTGACCACCTTTGTGGCCCTC
TATGACTATGAGTCTAGGACGGAGACAGACCTGTCCTTCAAGAAAGCGAGCGGCTCCAGATTGTCAAC
AACACAGAGGGAGACTGGTGGCTGGCCACTCGCTCAGCACAGGACAGACAGGCTACATCCCAGCAAC
TACGTGGCGCCCTCCGACTCCATCCAGGCTGAGGAGTGGTATTTGGCAAGATCACCAGACGGGAGTCA
GAGCGTTACTGCTCAATGCAGAGAACCCGAGAGGGACCTTCTCGTGCAGAAAAGTGAGACCACGAAA
GGTGCCTACTGCCTCTCAGTGTCTGACTTCGACAACGCCAAGGGCCTCAACGTGAAGCACTACAAGATC
CGCAAGCTGGACAGCGGGGCTTCTACATCACCTCCCGCACCCAGTTCAACAGCCTGCAGCAGCTGGTG
GCCTACTACTCCAACACGCCGATGGCCTGTGCCACCGCCTCACCACCGTGTGCCCCACGTTCAAGCCG
CAGACTCAGGGCCTGGCCAAGGATGCCTGGGAGATCCCTCGGGAGTGCCTGCGGCTGGAGGTCAAGCTG
GGCCAGGGCTGCTTTGGCGAGGTGTGGATGGGGACCTGGAACGGTACCACCAGGGTGGCCATCAAAACC
CTGAAGCCTGGCAGATGTCTCCAGAGGCTTCTGCAGGAGGCCAGGTGATGAAGAAGCTGAGGCAT
GAGAAGCTGGTGCAGTTGTATGCTGTGGTTTCAGAGGAGCCATTTACATCGTACCGAGTACATGAGC
AAGGGGAGTTTGTGGACTTTCTCAAGGGGAGACAGGCAAGTACCTGCGGCTGCCTCAGCTGGTGGAC
ATGGCTGCTCAGATCGCCTCAGGCATGGCGTACGTGGAGCGGATGAACACTGCTCCACCGGACCTTCGT
GCAGCCAACATCCTGGTGGGAGAGAACCCTGGTGTGCAAAGTGGCCGACTTTGGGCTGGCTCGGCTCATT
GAAGACAATGAGTACACGGCGCGCAAGGTGCCAAATCCCATCAAGTGACGGCTCCAGAAGCTGCC
CTCTATGGCCGCTTACCATCAAGTCCGACGTGTGGTCTTCCGGATCCTGCTGACTGAGCTACCACA
AAGGGACGGTGCCTACCCTGGGATGGTGAACCGCGAGGTGCTGGACCAGGTGGAGCGGGGCTACCGG
ATGCCCTGCCCGCGGAGTGTCCGAGTCCCTGCACGACCTCATGTGCCAGTGTGGCGAAGGAGCCT
GAGGAGCGGCCACCTTCGAGTACCTGCAGGCCTTCTGGAGGACTACTTACGTCCACCAGCCCCAG
TACCAGCCCGGGGAGAACCTTAG
ACGGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Chromatograms: https://cdn.origene.com/chromatograms/ja1639_e03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_005417

Insert Size: 1611 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).

OTI Annotation: no

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).

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| 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: | NM_005417.3 |
| RefSeq Size: | 4131 bp |
| RefSeq ORF: | 1611 bp |
| Locus ID: | 6714 |
| UniProt ID: | P12931 |
| Cytogenetics: | 20q11.23 |
| Protein Families: | Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Stem cell relevant signaling - JAK/STAT signaling pathway |
| Protein Pathways: | Adherens junction, Endocytosis, Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Focal adhesion, Gap junction, GnRH signaling pathway, Tight junction, VEGF signaling pathway |
| MW: | 59.8 kDa |
| Gene Summary: | <p>This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.</p> |