

Product datasheet for **SC329564**

Syntenin 2 (SDCBP2) (NM_001199784) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syntenin 2 (SDCBP2) (NM_001199784) Human Untagged Clone
Tag: Tag Free
Symbol: SDCBP2
Synonyms: SITAC; SITAC18; ST-2; ST2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329564 representing NM_001199784.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

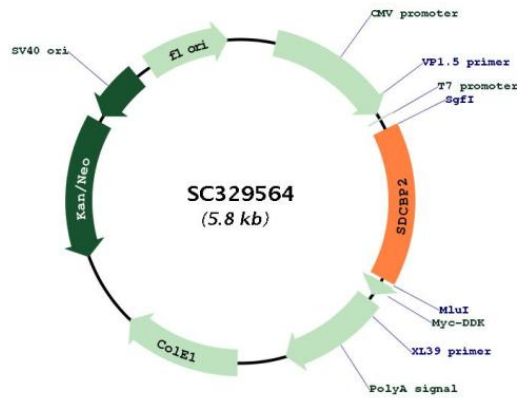
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ATGTCATCCCTGTACCCATCTCTAGAGGACCTAAAAGTGGACCAAGCCATTCAGGCCAGGTCAGAGCC
TCACCCAAGATGCCAGCCCTGCCAGTCCAGGCAACAGCCATTTCCCACCACCAGTTTTGTACCCAAAC
TTGGCAGAAGTGGAAAATTATATGGGTCTTTCCCTCTCCAGCCAAGAAGTCCAGGAGAGCCTGCTTCAG
ATTCCAGAGGGTGACAGTACAGCGGTCTCGGGCCCCGGGCCGAGATGGTGGCACCGGTAACCGGG
TACAGCCTGGCGTGCAGCGAGCTGAGATCAAGCCGGGGTGCAGGATCCACCTGTGCAAGGACGAG
CGCGCAAGACCGGGCTGAGGCTGCGGAAGGTCGACCAGGGGCTCTTTGTGCAGTTGGTCCAGGCCAAC
ACCCCTGCATCCCTTGTGGGGCTGCGCTTTGGGGACCAGCTCCTGCAGATTGACGGCGTACTGTGCT
GGTGGAGCTCGCACAAGCCCATCAGGTGGTGAAGAAGGCATCAGGCGATAAGATTGTCGTGGTGGTT
CGGGACAGGCCGTTCCAGCGGACTGTCACCATGCACAAGGACAGCATGGGCCACGTGGCTTCGTGATC
AAGAAGGGGAAGATTGTCTCTCTGGTCAAAGGGAGTTCTGCGGCCGCAACGGGCTCCTACCAACCAC
TACGTGTGTGAGGTGGACGGCAGAATGTTATCGGGCTGAAGGACAAAAGATCATGGAGATTCTGGCC
ACGGCTGGGAACGTTGTCACCCCTGACCATCATCCCAGTGTGATCTACGAGCACATGGTCAAAAAGTTG
CCTCCAGTCTGCTCCACCACACCATGGACCACTCCATCCCAGATGCCTGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001199784

Insert Size: 879 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: [NM_001199784.1](#)

RefSeq Size: 1484 bp

RefSeq ORF: 879 bp

Locus ID: 27111

UniProt ID: [Q9H190](#)

Cytogenetics: 20p13

MW: 31.6 kDa

Gene Summary: The protein encoded by this gene contains two class II PDZ domains. PDZ domains facilitate protein-protein interactions by binding to the cytoplasmic C-terminus of transmembrane proteins, and PDZ-containing proteins mediate cell signaling and the organization of protein complexes. The encoded protein binds to phosphatidylinositol 4, 5-bisphosphate (PIP2) and plays a role in nuclear PIP2 organization and cell division. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Read-through transcription also exists between this gene and the upstream FKBP1A (FK506 binding protein 1A, 12kDa) gene, as represented in GeneID:100528031. [provided by RefSeq, Sep 2011]
Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Both variants 1 and 3 encode the same isoform (a).