

Product datasheet for **MC203905**

Sdcbp (NM_016807) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Sdcbp (NM_016807) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Sdcbp |
| Synonyms: | MDA-9; Sycl; syntenin-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC019400
 TGGAGCTGGAGCGGGCAGCAGGAGAGCGCGGTCTCGGGGCAGAAAATATCTGCAGAAATGTCTCTTTAT
 CCATCTCTTGAAGATTTGAAGGTAGACAAAAGTAATTCAGGCTCAAACCTGCTTATTCTGCCAATCCCGCCA
 GCCAAGCATTTGTTCTGGTGGATGCTTCTGCTGCTTCTCCTCCAGATGGAATCTGTATCCTAAACTGTA
 TCCAGAGCTCTCTCAATACATGGGACTGTCTTTAAATGAAGCTGAAATATGTGAGAGCATGCCATGGTC
 TCTGGAGCACCAGCACAAAGGGCAGTTGGTAGCAAGACCATCCAGTGTGAAGTATATGGTAGCACCTGTGA
 CAGGTAACGATGCTGGAATTCGGAGAGCAGAAAATTAAGCAAGGGATTTCGTGAAGTATTTTGTGAAGGA
 TCAAGATGGAAAAATTGGGCTCAGACTTAAGTCAATAGATAATGGTATATTTGTTCAACTCGTCCAGGCT
 AATTCGCCAGCCTCCTTGGTTGGACTGAGATTTGGGGACCAGGTGCTCCAGATCAACGGTAAAACTGTG
 CGGGCTGGAGCTCTGATAAGGCACACAAGGTGCTCAAGCAGGCGTTTGGAGAGAAGATCACCATGACGAT
 CCGTGACAGGCCCTTTGAACGGACAGTTACTATGCATAAGGACAGCAGTGGACATGTTGGCTTTATCTTT
 AAAAGTGGAAAAATCACATCCATAGTAAAAGATAGTTCTGCTGCCAGAAACGGCCTCCTCACTGACCACC
 ACATCTGTGAGATCAACGGACAGAACGTCATTGGCTTGAAGGATGCTCAGATTGCAGATATACTGTCAAC
 AGCTGGGACTGTGGTTACCATCACAAATCATGCCTACTTTTATCTTCGAACACATTATTAACGGATGGCT
 CCCAGCATTATGAAAAGCCTGATGGATCACACCATTCTGAAGTTTAAACCTTGTACAATGCATCACGG
 CTGAATGTTTCCAGTTTTCTCTTCGGCAACTGTCTATTTTCGCACATGAAGCTTCCCGGAGCCAGGGA
 GAATCTGCTGCATGGAGACCTTTCTATCTTCTCTCATAGCTGGGAACCCGCTCTATCTGATACTGGCTTC
 AGATTTTAAAGATGGGTGTAGCCTTAGCCTGGTTTTACAGATGTGAGACTCCAAAAGATTTACTGACTTT
 CCTAGACTGGGTCTTTACTGGGAACCTGATGTTTTTATAAAGCCATTGTGATTACGATGACTGGTATA
 GGCTTAGCTGTGCTGAGACCTGGTCAGCTTCTTCTAGAACAAGCACAGTGTAGTCATGTGCTTCAA
 TTCTGTGGCATTCTTGGACTTTAGTACATCAGCATAGTACATTTAGAATGATTGCCTTTGATAGTATTT
 TTTTAAAGTTTCTCTGTGTGAGTGTGTAATAATCAACTGTTTTCATTCCACAAAAGCAT
 TACACAGTTGTGTAGGTTGCAAGAGACTGTAATGATTGTCACATAATCTTAACTACCTTCACTTAATAT
 GCTTCAATTGTCCCTTAACTACAGTAAGCATTAGAATAAAGCCAAAATAGAATTATTGCTGCCTTCT
 GAAACTTGAGATGTTAGCTCTCTATTAAGCTGTTCTGTGCTAGCCCTGAGCAGCTCACTGGTAAAGCAGA
 GCTGCCTACTTGTATCAAGATTTTCTAGTCACTGCATAAAGGAAACGCCTAAGAGTTGCCGATTGCTTT
 CTGAGAAACAAATTGCTATATATTTTATGTAAGTTGTTATACTAAATAGAATAAATTTTGGAGTCTCT
 TTTTCACTCTAGTGGTAATATCTAATTTGGCATTGAGTCTAACATTATGTAACCTTGTAGCTAGTTGG
 GGTGTTTTAGAATGTTCCCTAGTCATCTTAATTTGTTCCATTTTCTGACTCTGCCTATAAACAAAAA
 TGGCAATGACACTTTATGATTTTTCTTTCTTAGCTTGTGCCTATCCTATTTTTATGTGATATTATTA
 AATGTATAAAAAATGTGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_016807

Insert Size: 900 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: [BC019400](#), [AAH19400](#)

RefSeq Size: 2064 bp

RefSeq ORF: 900 bp

Locus ID: 53378

UniProt ID: [O08992](#)

Cytogenetics: 4 A1

Gene Summary: Multifunctional adapter protein involved in diverse array of functions including trafficking of transmembrane proteins, neuro and immunomodulation, exosome biogenesis, and tumorigenesis. Positively regulates TGFB1-mediated SMAD2/3 activation and TGFB1-induced epithelial-to-mesenchymal transition (EMT) and cell migration in various cell types. May increase TGFB1 signaling by enhancing cell-surface expression of TGFR1 by preventing the interaction between TGFR1 and CAV1 and subsequent CAV1-dependent internalization and degradation of TGFR1. In concert with SDC1/4 and PDCD6IP, regulates exosome biogenesis (By similarity). Regulates migration, growth, proliferation, and cell cycle progression in a variety of cancer types (PubMed:26539120). In adherens junctions may function to couple syndecans to cytoskeletal proteins or signaling components. Seems to couple transcription factor SOX4 to the IL-5 receptor (IL5RA). May also play a role in vesicular trafficking. Seems to be required for the targeting of TGFA to the cell surface in the early secretory pathway (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in a shorter protein (isoform 2).