

Product datasheet for **RG215390**

Syntenin (SDCBP) (NM_005625) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntenin (SDCBP) (NM_005625) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Syntenin
Synonyms:	MDA-9; MDA9; ST1; SYCL; TACIP18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215390 representing NM_005625 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTCTATCCATCTCTCGAAGACTGAAGGTAGACAAAGTAATTCAGGCTCAAAGTCTTTTCTG
CAAACCTGCCAATCCAGCAATTTGTGAGAAGCTTCTGCTCCTATCCCTCACGATGGAAATCTCTATCC
CAGACTGTATCCAGAGCTCTCTCAATACATGGGGCTGAGTTTAAATGAAGAAGAAATACGTGCAAATGTG
GCCGTGGTTTCTGGTGCACCACTTCAGGGCAGTTGGTAGCAAGACCTTCCAGTATAAATATATGGTGG
CTCCTGTAAGTGAATGATGTTGGAATTCGTAGAGCAGAAATTAAGCAAGGGATTTCGTGAAGTCATTTT
GTGTAAGGATCAAGATGGAAAAATTGGACTCAGGCTTAAATCAATAGATAATGGTATATTTGTTTCAGCTA
GTCCAGGCTAATTCAGCCTCATTGGTTGGTCTGAGATTTGGGGACCAAGTACTTCAGATCAATGGTG
AAAAGTGTGAGGATGGAGCTCTGATAAAGCGCACAAGGTGCTCAAACAGGCTTTTGGAGAGAAGATTAC
CATGACCATTCGTGACAGGCCCTTTGAACGGACGATTACCATGCATAAGGATAGCACTGGACATGTTGGT
TTTATCTTTAAAAATGGAAAAAATCAATCCATAGTAAAGATAGCTCTGCAGCCAGAAATGGTCTTCTCA
CGGAACATAACATCTGTGAAATCAATGGACAGAATGTCATTGGATTGAAGGACTCTCAAATTGCAGACAT
ACTGTCAACATCTGGGACTGTAGTTACTATTACAATCATGCCTGCTTTTATCTTTGAACATATTATTAAG
CGGATGGACCAAGCATTATGAAAAGCCTAATGGACCACACCATTCTGAGGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG215390 representing NM_005625
 Red=Cloning site Green=Tags(s)

MSLYPSLEDLKVDKVIQAQTAFSANPANPAILSEASAPIPHDGNLYPRLYPELSQYMGLSLNEEEIRANV
 AVVSGAPLQGGQLVARPSSINYMVAPVTGNDVGIIRRAEIKQGIREVILCKDQDGKIGLRLKSIDNGIFVQL
 VQANSPASLVGLRFQDQVLQINGENCAGWSSDKAHKVLKQAFGEKITMTIRDRPFERTITMHKDGSTGHVG
 FIFKNGKITSIVKDSSAARNGLL TEHNICEINGQNVIGLKD SQIADILSTSGTVVTITIMPAFIFEHIK
 RMAPSIMKSLMDHTIPEV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005625

ORF Size: 894 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_005625.4](#)

RefSeq Size: 2173 bp

RefSeq ORF: 897 bp

Locus ID: 6386

UniProt ID: [O00560](#)

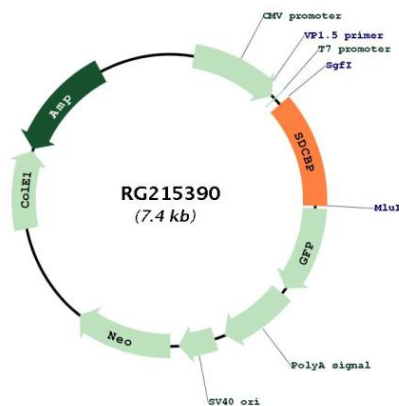
Cytogenetics: 8q12.1

Domains: PDZ

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene was initially identified as a molecule linking syndecan-mediated signaling to the cytoskeleton. The syntenin protein contains tandemly repeated PDZ domains that bind the cytoplasmic, C-terminal domains of a variety of transmembrane proteins. This protein may also affect cytoskeletal-membrane organization, cell adhesion, protein trafficking, and the activation of transcription factors. The protein is primarily localized to membrane-associated adherens junctions and focal adhesions but is also found at the endoplasmic reticulum and nucleus. Alternative splicing results in multiple transcript variants encoding different isoforms. Related pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Jan 2017]

Product images:



Circular map for RG215390