

Product datasheet for **RG232388**

Syntenin 2 (SDCBP2) (NM_001199784) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntenin 2 (SDCBP2) (NM_001199784) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SDCBP2
Synonyms:	SITAC; SITAC18; ST-2; ST2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232388 representing NM_001199784 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATCCCTGTACCCATCTCTAGAGGACCTAAAAGTGGACCAAGCCATTCAGGCCAGGTGAGAGCCT
CACCCAAGATGCCAGCCCTGCCAGTCCAGGCAACAGCCATTTCCACCACCAGTTTTGTACCCAACTT
GGCAGAAGTGGAAAATTATGGGTCTTCCCTCTCCAGCCAAGAAGTCCAGGAGAGCCTGCTTCAGATT
CCAGAGGGTACAGTACAGCGGTCTCGGGCCCCGGGCCGAGATGGTGGCACCGGTAACCGGGTACA
GCCTGGCGTGGCGGAGCTGAGATCAAGCCCGGGTGGCGGAGATCCACCTGTGCAAGGACGAGCGCGG
CAAGACCGGGCTGAGGCTGCGGAAGTTCGACCAGGGGCTCTTTGTGAGTTGGTCCAGGCCAACCCCT
GCATCCCTTGTGGGGCTGCGCTTTGGGGACCAGCTCCTGCAGATTGACGGGCGTGACTGTCTGGGTGGA
GCTCGCACAAGCCCATCAGGTGGTGAAGAAGGCATCAGGCGATAAGATTGTCGTGGTGGTTCGGGACAG
GCCGTTCCAGCGGACTGTACCATGCACAAGGACAGCATGGGCCACGTCCGGCTTCGTGATCAAGAAGGGG
AAGATTGTCTCTGGTCAAAGGGAGTTCTCGGGCCCGCAACGGGCTCCTACCAACCACTACGTGTGTG
AGGTGGACGGGCAGAATGTTATCGGGTGAAGGACAAAAGATCATGGAGATTCTGGCCACGGCTGGGAA
CGTTGTACCCCTGACCATCATCCCCAGTGTGATCTACGAGCACATGGTCAAAAAGTTGCCTCCAGTCCCTG
CTCCACCACCATGGACCACTCCATCCAGATGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG232388 representing NM_001199784
 Red=Cloning site Green=Tags(s)

MSSLYPSLEDLKVDQAIQAQVRASPKMPALPVQATAISPPPVLYPNLAELENYMGLSLSSQEVQESLLQI
 PEGDSTAVSGPGPGQMVAVPTGYSLGVRRAEIKPGVREIHLCKDERGKTGLRLRKVDQGLFVQLVQANTP
 ASLVGLRFGDQLLQIDGRDCAGWSSHKAHQVVKKASGDKIVVVVRDRPFQRTVTMHKDSMGHVGFVIKKG
 KIVSLVKGSSAARGLL TNHYVCEVDGQNVIGLKDKKIMEILATAGNVVTLTIIPSVIYEHMVKKLPPVL
 LHHTMDHSIPDA

TRTRPLE - GFP Tag - V

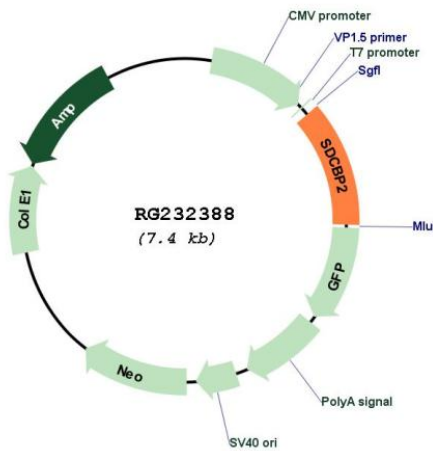
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001199784

ORF Size: 876 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:	<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_001199784.1 , NP_001186713.1
RefSeq Size:	1484 bp
RefSeq ORF:	879 bp
Locus ID:	27111
UniProt ID:	Q9H190
Cytogenetics:	20p13
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]