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Product datasheet for RC224707

SORBS1 (NM_015385) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SORBS1 (NM_015385) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SORBS1
Synonyms:	CAP; FLAF2; R85FL; SH3D5; SH3P12; SORB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC224707 representing NM_015385
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTTCTGAATGTGATGGTGGTTCCAAAGCTGTGATGAATGGCTTGGCACCTGGCAGCAATGGGCAAG
ACAAAGACATGGATCCTACAAAAATCTGCACTGGGAAGGGAGCGGTGACTCTCCGGGCCTCGTCTTCCTA
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CAAGAAGGCACTGCCAGACCTCCAACACCTCTGGGGCCTCTTGGCTGCGTCCCCACAATCCCAGCGACTG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224707 representing NM_015385
Red=Cloning site Green=Tags(s)

MSSECDGGSKAVMNGLAPGSNGQDKDMDPTKICTGKGAVTLRASSSYRETPSSSPASPQETRQHESKPGL
EPEPSSADEWRLSSSADANGNAQPSSLAAKGYRSVHPNLPSDKSQDATSSSAAQPEVIVVPLYLVNTDRG
QEGTARPPTPLGPLGCVPTIPATASAASPLTFPTLDDFIPPHLQRWPHHSQPARASGSFAPISQTPPSFS
PPPPLVPPAPEDLRRVSEPDLTGAVSSTDSSPLLNEVSSSLIGTDSQAFPSVSKPSSAYPSTTIVNPTIV
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LESTEEFIRRRHDDKEMRPARAKFDFKAQTLKELPLQKGDIVYIYKQIDQNWYEGEHHGRVGIFPRTYIE
LLPPAEKAQPKKLTPVQVLEYGEAIAKFNFNGDTQVEMSFRKGERITLLRQVDENWYEGRIPGTSRQGIF
PITYVDVIKRPLVKNPVDYMDLPFSSSPSRSATASPQQPQAQQRRVTPDRSQTSQDLFSYQALYSYIPQN
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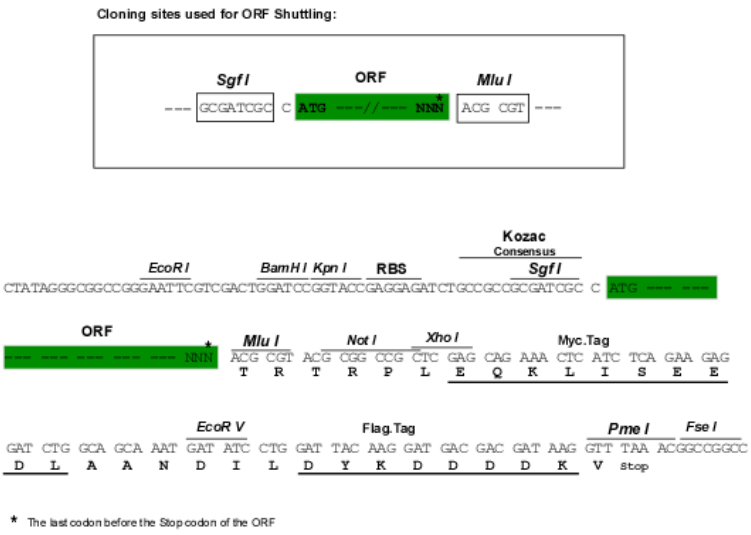
Restriction Sites: SgfI-MluI

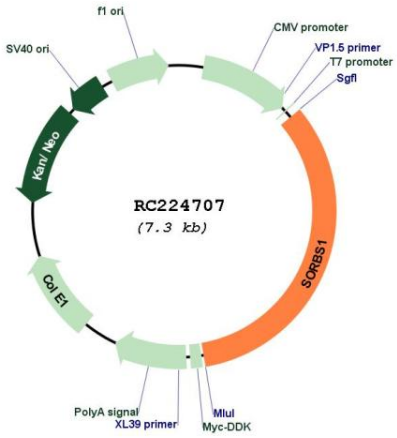
Cloning Scheme:



ACCN:	NM_015385
ORF Size:	2448 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_015385.3
RefSeq Size:	5979 bp
RefSeq ORF:	2451 bp
Locus ID:	10580
UniProt ID:	Q9BX66
Cytogenetics:	10q24.1
Domains:	SH3, Sorb
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Insulin signaling pathway, PPAR signaling pathway
MW:	90 kDa
Gene Summary:	This gene encodes a CBL-associated protein which functions in the signaling and stimulation of insulin. Mutations in this gene may be associated with human disorders of insulin resistance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RC224707