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Product datasheet for SC337977

SORBS1 (NM_001290294) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SORBS1 (NM_001290294) Human Untagged Clone
Tag:	Tag Free
Symbol:	SORBS1
Synonyms:	CAP; FLAF2; R85FL; SH3D5; SH3P12; SORB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001290294, the custom clone sequence may differ by one or more nucleotides

ATGAGTTCTGAATGTGATGGTGGTTCCAAAGCTGTGATGAATGGCTTGGCACCTGGCAGCAATGGGCAAG
ACAAAGCAACTGCCGACCCTTTACGCGCACGCTCTATTTCTGCTGTTAAAATCATTCCTGTGAAGACAGT
GAAAAACGCCTCAGGCCTAGTTCTCCCTACAGACATGGATCCTACAAAAATCTGCACTGGGAAGGGAGCG
GTGACTCTCCGGGCCTCGTCTTCCTACAGGGAAACCCCAAGCAGTAGCCCTGCGAGCCCTCAGGAAACCC
GGCAACACGAAAGCAAACCAGGTCTGGAGCCAGAGCCTTCTTCAGCAGATGAGTGGAGGCTTTCTTCCAG
TGCTGATGCCAATGGAAATGCCCAGCCCTCTTCACTCGCTGCCAAGGGCTACAGAAGTGTGCATCCCAAC
CTTCCTTCTGACAAGTCCCAGGATGCCACTTCCTCCAGTGCAGCCCAGCCGGAGGTAATAGTTGTCCCTC
TCTACCTGGTTAATACTGACAGAGGGCAAGAAGGCACTGCCAGACCTCCAACACCTCTGGGGCCTCTTGG
CTGCGTCCCCACAATCCCAGCGACTGCCTCTGCCGCCTCACCTCTGACCTTCCCGACTCTAGATGATTTC
ATTCCCCCTCATCTGCAGAGGTGGCCCCACCACAGCCAGCCAGCCCGCGCCTCTGGCTCCTTTGCCCCCA
TTAGCCAGACGCCACCATCCTTCTCACCACCACCTCCGCTGGTCCCTCCTGCCCCGGAGGACCTCCGCAG
AGTCTCGGAGCCTGACCTCACGGGAGCTGTTTCGAGTACCGATTCCAGTCCTCTACTAAATGAAGTTTCT
TCTTCCCTTATTGGAACTGATTCCCAAGCCTTTCCATCAGTTAGCAAGCCTTCATCCGCCTATCCCTCCA
CAACGATTGTCAATCCTACTATTGTGCTCTTGCAACACAATCGAGAACAGCAAAAACGACTCAGTAGCCT
TTCAGATCCTGTCTCAGAAAGAAGAGTGGGAGAGCAGGACTCAGCACCAACCCAGGAAAAACCCACCTCA
CCTGGCAAGGCTATTGAAAAAAGAGCAAAGGATGACAGTAGGCGGGTGGTGAAGAGCACTCAGGACTTAA
GCGATGTTTCCATGGATGAAGTGGGCATCCCACTCCGGAACACTGAGAGATCAAAAGACTGGTACAAGAC
TATGTTTAAACAGATCCACAAACTGAACAGAGATGATGATTCAGATCTGTACTCTCCCAGATACTCATTT
TCTGAAGACACAAAATCTCCCCTTTCTGTGCCTCGCTCAAAAAGTGAGATGAGCTACATTGATGGTGAGA
AGGTAGTCAAGAGGTCGGCCACACTACCCCTCCCAGCCCGCTCTTCCTCACTGAAGTCAAGCTCAGAAAG
AAATGACTGGGAACCCCCAGATAAGAAAGTAGACACAAGAAAATATCGTGCAGAGCCCAAGAGCATTTAC
GAATATCAGCCTGGCAAGTCTTCCGTTCTGACCAACGAAAAGATGAGTCGGGATATAAGCCCAGAAGAGA
TAGATTTAAAGAATGAACCTTGGTATAAATTCTTTTCGGAATTGGAGTTTGGGAAACCGCCTCCCAAAAA

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GATATGGGATTATACTCCTGGAGACTGCTCTATCCTTCCTAGAGAGGATAGAAAGACTAATCTAGACAAA
GATCTCAGCCTCTGCCAGACAGAGTTAGAGGCAGATTTAGAAAAAATGGAGACGCTTAATAAAGCACCCA
GTGCAAACGTGCCACAGAGCTCAGCCATCAGCCCTACTCCGGAAATTTCTTCAGAGACTCCTGGATATAT
ATATTCTTCCAACTTCCATGCAGTGAAGAGGGAATCAGACGGGGCTCCTGGGGATCTCACTAGCTTGGAG
AATGAGAGACAAATTTATAAAAGTGTCTTGGAAGGTGGTGACATCCCTCTTCAGGGCCTGAGTGGGCTCA
AGCGACCATCCAGCTCTGCTTCCACTAAAGATTCAGAATCGCCAAGACATTTTATACCAGCTGATTACTT
GGAATCCACGGAAGAATTTATTCGAAGACGTCATGATGATAAAGAGAAACTTTTAGCGGACCAGAGACGA
CTTAAACGCGAGCAAGAAGAGGCTGATATTGCAGCTCGACGCCACACAGGCGTCATTCCGACGCACCATC
AGTTTATCACTAATGAGCGCTTTGGGGACCTCCTCAATATAGACGATACTGCAAAAAGGAAATCTGGGTC
AGAGATGAGACCTGCCAGAGCCAAATTTGACTTTAAAGCTCAGACACTAAAGGAGCTTCCTCTGCAGAAG
GGAGATATTGTTTACATTTATAAGCAAATTGATCAGAACTGGTATGAAGGAGAACACCACGGCCGGGTGG
GAATCTTCCCACGCACCTACATCGAGCTTCTTCCTCCTGCTGAGAAGGCACAGCCCAAAAAGTTGACACC
AGTGCAGGTTTTGGAATATGGAGAAGCTATTGCTAAGTTTAACTTTAATGGTGATACACAAGTAGAAATG
TCCTTCAGAAAGGGTGAGAGGATCACACTGCTCCGGCAGGTAGATGAGAACTGGTACGAAGGGAGGATCC
CGGGGACATCCCGACAAGGCATCTTCCCCATCACCTACGTGGATGTGATCAAGCGACCACTGGTGAAAAA
CCCTGTGGATTACATGGACCTGCCTTTCTCCTCCTCCCCAAGTCGCAGTGCCACTGCAAGCCCACAGTTT
TCCAGTCACAGCAAGCTCATCACGCCAGCCCCCTCATCTCTGCCCCACTCCCGCCGAGCCCTGTCCCCCG
AGATGCACGCTGTCACCTCTGAGTGGATCTCACTGACTGTGGGGGTCCCAGGCAGGCGTTCTCTGGCCCT
GACCCCACCCTTGCCTCCTCTGCCAGAGGCTTCTATCTATAACACTGACCACCTCGCCTTGTCACCAAGG
GCCAGTCCCTCCCTGTCTCTCAGCCTCCCCCATTTGAGTTGGTCAGATCGTCCCACCCCACGATCAGTAG
CTTCTCCACTGGCCCTACCTTCCCCACACAAAACCTACTCCCTAGCACCTACTTCCCAGGCCTCCCTTCA
CATGAATGGAGACGGTGGTGTCCACACGCCATCTTCAGGCATCCACCAAGATAGCTTCTTGCAGCTGCCG
CTGGGGAGCTCTGATAGTGTCATCTCCCAGCTTAGTGATGCCTTTAGCAGCCAGAGCAAGAGGCAGCCAT
GGCGCGAAGAGAGTGGACAATATGAGAGGAAAGCAGAGAGGGGGGCAGGCGAAAGAGGCCCTGGTGGACC
CAAGATCTCTAAGAAGAGCTGCTTGAAGCCTTCAGACGTGGTCAGGTGCCTGAGTACTGAACAGAGACTC
TCAGATCTCAACACCCCTGAGGAGAGCCGGCCCGGCAAGCCCCTGGGTAGCGCTTTTCCAGGAAGTGAGG
CTGAGCAGACAGAGCGGCATAGAGGTGGCGAGCAGGCGGGGAGGAAAGCTGCTCGGAGAGGTGGGAGCCA
GCTTTCTCATCATTCATTGAGAGCAGGACCAGATCTCACAGAATCTGAAAAGAGCTATGTGCAACCTCAA
GCCCAGCAGCGAAGAGTCACCCCCGACAGGAGTCAAACCTCACAAGATTTATTTAGCTATCAAGCATTAT
ATAGCTATATACCACAGAATGATGATGAGTTGGAACTCCGCGATGGAGATATCGTTGATGTCATGGAAAA
ATGTGACGATGGATGGTTTGTTGGTACTTCAAGAAGGACAAAGCAGTTTGGTACTTTTCCAGGCAACTAT
GTAAAACCTTTGTATCTATAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290294

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_001290294.1, NP_001277223.1
RefSeq Size:	7335 bp
RefSeq ORF:	3801 bp
Locus ID:	10580
UniProt ID:	Q9BX66
Cytogenetics:	10q24.1
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Insulin signaling pathway, PPAR signaling pathway
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] Transcript Variant: This variant (8) has multiple differences in the coding region but maintains the reading frame, compared to variant 3. The encoded protein (isoform 8) is shorter than isoform 3. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.