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Product datasheet for MR210817

Susd2 (NM_027890) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Susd2 (NM_027890) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Susd2
Synonyms:	1200011D11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210817 representing NM_027890
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCTGGCCCTCCTGCCTTGGATTTTGATGCTGCTCTCAACAATACCAGGCCCCGGGTTCACAGCAG
GTGCCCAGGGAAGCTGTTCCCTGCGCTGCGGGGCACAGGATGGACTCTGTTCCTGTCACCCAACCTGCTC
GGGCCTTGGCACCTGTTGTGAAGATTTTCTGGACTACTGCCTAGAGATTTTACCCTCCTCAGGGTCCATG
ATGGGTGGCAAAGACTTCGTGGTGCAACATTTAAAGTGGACTGACCCTACTGATGGGGTCATTTGCAGGT
TTAAGGAGAGTATCCAAACCCTTGGCTATGTCGACGACTTCTATCAAGTGCACTGCATATCACCCTTGCT
CTATGAAAGCGGCTATATTCCCTTCACCATATCAATGGACAATGGCCGCTCCTTCCCTCATGCAGGCACT
TGGCTAGCTGCACATCCCTACAAAGTGTCTGAATCCGAGAAGAGCCAGCTGGTGAACGAGACCCATTGGC
AATACTACGGCACTTCAGACACCAGGGGAAACCTCAACCTCACCTGGGACACTTCAGCGCTGCCCACGCC
GGCCGTCACCATTGAGCTGTGGGGCTATGAGGAGACAGGAAAACCCTACTCTGGGAACTGGACCTCGAAG
TGGTCCTATCTGTACCCTTTGGCTACAAACATCCCCAATACCGGCTTCTTCACTTTCACCCCCAAACCCG
CATCACCTCAGTACCAGAGGTGGAAAGTGGGTGCTCTGAGGATCAGCAGCAGCAGGAACTACCCAGGAGA
GAAGGATGTGCGGGCGCTCTGGACCAACGATCACGCACTGGCCTGGCACCTGGGTGACGACTTCCGGGCA
GACTCCGTAGCCTGGGCCCGAGCACAGTGCCTGGCCTGGGAGGCATTGGAAGACCAACTACCCAACTTCC
TGACGGAGCTGCCAGACTGCCCCTGCACCCTGGCCCAGGCCAGGGCTGATTCTGGCCGCTTCTTCACTGA
CTATGGTTGTGACATTGAACATGGCAGCGTATGCACCTACCACCCAGGGGCTGTGCACTGTGTGCGCTCT
GTGCAAGCCAGCCCCAGGTATGGCTCAGGCCAGCAATGCTGCTACACGGCAGCAGGGACACAGCTCCTGA
CTTCAGACTCGACAAGTGGCAGCACCCCTGACCGTGGCCACGACTGGGGTGCACCCCCATACCGGACTCC
TCCCCGTGTGCCCGGCATGTCTCATTGGCTCTATGACGTCATCAGCTTCTATTACTGCTGTCTTTGGGCT
CCTGAGTGTCCCCGTTATATGAAGCGCCGGCCCTCCAGTGACTGCCGCAACTACAGACCCCCACGCCTGG
CCTCTGCCTTCGGGGACCCCCATTTTGTCACCTTTGATGGCACCAGCTTCTCGTTCAGCGGCAATGGCGA
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AGGTGCGGTTAGCTGGCGGGTCTCGGGTCTTGGAAGTGTTGCTGAATCAGAAAGTGCTCAGTTTCACTGA
ACAAAATTGGATGGACCTGAAGGGCATGTTCCTGTCAGTGGCCGCTCAGGATAAGGTGTCAATCATGTTG
TCATCGGGGGCTGGCCTCGAGGTCGGTGTACAAGGTCCTTTCCTGAGTGTGAGCATTCTGTTGCCTGAGA
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CAATGGGCAGGTCCTGCCCCTGAATGCCAGTGCTCAGCAGGTGTTCCAGTTTGGAGCCGACTGGGCTGTT
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ACAACCCCAACTTCAAACCACTCTTCCCTGATGAGACCACACTCAGCCCCAGCCAGACAGAAGATGTGGC
CAGACTGTGTGAGGGTGACCGTTTCTGCATCCTTGATGTGATGAGCACAGGAAGCTCGAGCGTGGGCAAC
GCCACCCGGATTGCCCACCAACTGCACCAGCACCGTCTGAAGAGCCTGCAGCCTGTGGTATCCTGTGGCT
GGCTACCCCCACCTGCAAACGGGCATAAGGAAGGCTTGAGGTACCTGGAAGGATCCGTTGTCCGATTCAG
CTGCAACAATGGCTACAGCTTGGTGGGGCCGGAGAGTAGCACCTGTCAGGCTGATGGAAAGTGGTCTATG
CCTACCCCAGAGTGTCAGCCAGGGCGGAGCTACACGGTGCTACTGAGTATCATCTTCGGAGGCCTGGCCA
TAGTGGCACTGATCTCTATCATCTATATGATGCTGCATCGCCGCAGGAAGAGCAACATGACCATGTGGAG
CTCACAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210817 representing NM_027890
Red=Cloning site Green=Tags(s)

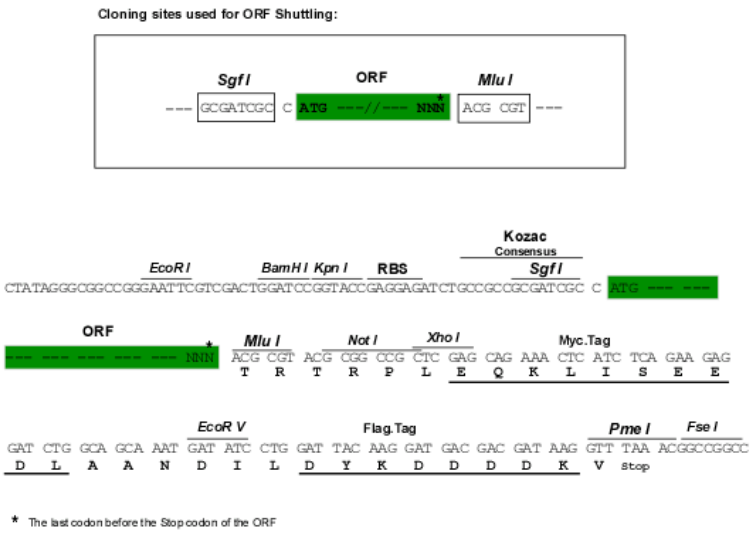
MKLALLPWILMLLSTIPGPGFTAGAQGSCSLRCGAQDGLCSCHPTCSGLGTCCEDFLDYCLEILPSSGSM
MGGKDFVVQHLKWTDPTDGVICRFKESIQTLGYVDDFYQVHCISPLLYESGYIPFTISMDNGRSFPHAGT
WLAAHPYKVSESEKSQLVNETHWQYYGTSDTRGNLNLTWDTSALPTPAVTIELWGYEETGKPYSGNWTSK
WSYLYPLATNIPNTGFFTFTPKPASPQYQRWKVGALRISSSRNYPGEKDVRALWTNDHALAWHLGDDFRA
DSVAWARAQCLAWEALEDQLPNFLTELPDCPCTLAQARADSGRFFTDYGCDIEHGSVCTYHPGAVHCVRS
VQASPRYGSGQQCCYTAAGTQLLTSDSTSGSTPDRGHDWGAPPYRTPPRVPGMSHWLYDVISFYYCCLWA
PECPRYMKRRPSSDCRNYRPPRLASAFGDPHFVTFDGTSFSFSGNGEYVLLETTLSDLRVQGRAQPGRMP
NGTQARGTGLTAVAVQEDNSDVIEVRLAGGSRVLEVLLNQKVLSFTEQNWMDLKGMFLSVAAQDKVSIML
SSGAGLEVGVQGPFLSVSILLPEKFLTHTRGLLGTLNNNPRDDFTLRNGQVLPLNASAQQVFQFGADWAV
SNTSSLFTYDSWLLVYQFVYGPKHNPNFKPLFPDETTLSPSQTEDVARLCEGDRFCILDVMSTGSSSVGN
ATRIAHQLHQHRLKSLQPVVSCGWLPPPANGHKEGLRYLEGSVVRFSCNNGYSLVGPESSTCQADGKWSM
PTPECQPGRSYTVLLSIIFGGLAIVALISIIYMMLHRRRKSNMTMWSSQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9027_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027890

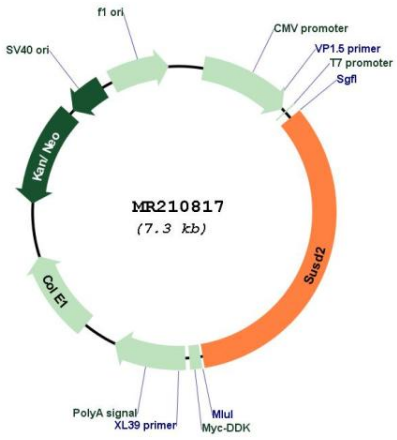
ORF Size: 2460 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_027890.5, NP_082166.3
RefSeq Size:	3255 bp
RefSeq ORF:	2463 bp
Locus ID:	71733
UniProt ID:	Q9DBX3
Cytogenetics:	10 C1
MW:	91.1 kDa
Gene Summary:	May be a cytokine receptor for C10ORF99. May be a tumor suppressor; together with C10ORF99 has a growth inhibitory effect on colon cancer cells which includes G1 cell cycle arrest (By similarity). May play a role in breast tumorigenesis (PubMed:23131994). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210817