

Product datasheet for MR229243

Susd6 (NM_001242419) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Susd6 (NM_001242419) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Susd6
Synonyms:	4933426M11Rik; mKIAA0247
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229243 representing NM_001242419 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCCATGGCAAGATAGCACCAAAGAGCAGCTCAGAGTTTGTGTGACTTCTGTGGGCATGGAGTGT
TTCTTCAACTGGTGATCCTTTGCGCTCTGCTGGGAGATGGATTAGCCTCTGGTAAATGGATGGAAGTGA
AAATATCCTGAGTGAGGTAACCCAGACCCAAAAGGACATGCATGTGTGCCTCTGCCCCAGAGCCAGAG
AATGGTGGCTACATTTGCCACCCCGGCCCTTGTAAAGACCCCTTGACAGCAGGCAGTGCATCGAGTACC
TGTGTGAGAAGGCTACATGTTGAAGGGTGACTACAAATACCTGACCTGCAAAAATGGCGAGTGGACGCC
AGCCATGGAGGTTAGCTGTCATCTCATTGAAGACAAGAAACCCATGCACTTGGGGTCCCTGCGCTGTCC
ATAGTGGCTTCCACTGCCAGCTCTGTGGCACTCATTCTCCTCCTCGTGGTGTGTTGTACTGCTGCAGC
CAAAGCTGAAGTCTTCCATCATAGCAGGCGTGAACAGGGGTTTCTGGGGATCAAGTCTCCATTATGGT
GGATGGTGTCCAGGTTGCACTACCTTATATGAGGAAGCTGTGTATGGAAGTTCTGGTCACTGCATGCCA
CCAGCTGATCCCAGAGTACAGATTGTTCTGTGGAAGGGTCTGCACCTAGTGGGAGGAACATGCCAAGGG
AACAGCAGCTGCAAGGCCAGGAGGCTGCTTCTGCAGGTGGAGAGGACGAGGCCCGGGCCATTCTGG
GCTGTGTGAAGCCTGGGGTTCCAGGGCTCAGAGACTGTGATGGTGCATCAGGCAACCACATCTTCTGG
GTGGCCCGCTCAGGGAGCAGCCGCGCACACAAAGACACTGCAGATTGAGAAAACAGTGACATACAAA
GCCTTTTATCCCTCACATCAGAGGAGTACACAGATGATATCCCACTATTGAAAGAAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229243 representing NM_001242419
 Red=Cloning site Green=Tags(s)

MCHGKIAPKSSSEFVVTSVGHGVFLQLVILCALLGDGLASGKWMELLENILSEVTQTQKDMHVCPLPPEPE
 NGGYICHPRPCKDPLTAGSVIEYLCAEGYMLKGDYKYL TCKNGEWPAMEVSCHL IEDKETHALGVPALS
 IVASTASSVALILLLVLFVLLQPKLKSFHHSRREQVSGDQVVSIMVDGVQVALPSYEEAVYGSSGHCMP
 PADPRVQIVLSEGSAPSGRNMPREQQLQEQEACSSAGGEDEAPGHSGLCEAWGSQGSETVMVHQATTSSW
 VAGSGSSRPTHKDTADSENSDIQSLLSLTSEEYTDIPLLKEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001242419

ORF Size: 969 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_001242419.1](#), [NP_001229348.1](#)

RefSeq Size: 5088 bp

RefSeq ORF: 972 bp

Locus ID: 217684

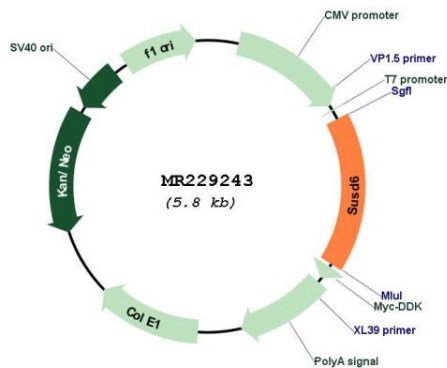
UniProt ID: [Q8BGE4](#)

Cytogenetics: 12 C3

MW: 34.9 kDa

Gene Summary: May play a role in growth-suppressive activity and cell death. May be involved in the production of chemokine molecules in umbilical vein endothelial cells (HUVECs) cultured in THP1 monocyte LPS-induced medium (By similarity). Plays a role in preventing tumor onset (PubMed:24652652).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229243