

Product datasheet for **MR207397**

Sucla2 (NM_011506) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sucla2 (NM_011506) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sucla2
Synonyms:	4930547K18Rik; A-SCS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207397 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGCGTCCATGTTCTACGGCCGGCAGTTGGCCGGCCGCCCTGAGGAGCCACCGCCGAGACTA
 CGCTGCGAGCCGCGCCAGTTCTGGAAATCTGGCTTGTAAACAAGCATGGACTACAAGTGCAGCA
 GCAGCAGCAGAGGACCCTTCGCTGCATGAATACTTGAGTATGGAGTTATTGCAGGAAGCGGGTGTCTCT
 GTTCCCAAAGGCTTCGTGGCAAAGTCATCCGATGAAGCTTACGCAATTGCCAAAAAATTAGGATCAAAGG
 ATGTTGTGATAAAGGCACAGGTTTTGGCTGGCGCAGAGGAAAAGGAACATTTACAAGTGGCCTCAAAGG
 AGGAGTGAAGATTGTTTTCTCCAGAAGAAGCAAAGCTGTTTCCTCACAGATGATTGGCAAAAAATTG
 ATTACCAAGCAAAGTGGAGAAAAGGCAGAATATGCAATCAAGTTTTGGTCTGTGAGCGCAATATCCCA
 GGAGAGAATACTACTTTGCAATAACAATGGAGAGGTCATTTCAAGTCTGTACTGATAGGAAGTGCACA
 AGGTGGTGTAAACATTGAAGATGTGGCTGCCGAGAACCCTGAAGCATTGTAAGGAGCCTATTGATATA
 GTGGAGGGCATCAAAAAGGAACAAGCCGTGACACTTGCACAGAAGATGGGATTTCTTTCTAACATTGTGG
 ACTCTGCAGCAGAAAACATGATCAAGCTTTATAATCTTTTTCTGAAGTATGATGCAACTATGGTAGAAAT
 AAACCAATGGTAGAAGATTCTGACGAAAGGTGTTGTGCATGGATGCAAAGATCAATTTTGATTCAAAT
 TCAGCCTACCGCCAGAAGAAGATCTTTGATCTTCAGGACTGGAGTCAGGAAGACGAAAGGGACAAAGAAG
 CAGCTAATGCAGATTAACATACATCGGCTCGATGGGAGCATAGGATGTCTAGTAAATGGTGTGGCTT
 GGCTATGGCCACAATGGATATAATAAACTACACGGAGGGACTCCAGCCAACCTTTCTGATGTTGGTGGG
 GCGCCACAGTCCAGCAAGTAACAGAAGCGTTAAACTCATCACTTCAGATAAAAAGGTGCAGGCTATTC
 TGGTCAACATTTTGGAGGAATCATGAGATGTGATGTTATTGCACAAGGAATAGTCATGGCAGTAAAGC
 TTTAGAAATCAGAATACCTGTTGTGGTGGCGTTACAAGGTACACGAGTTGATGATGCTAAGGCACTAATA
 GCAGACAGTGGTCTTAAATCCTTGCTGTGATGATTTGGATGAAGCTGCTAAAAATGGTTGTAAAGCTCT
 CTGAAATAGTGACCTTAGCCAAAGAAGCCCATGTGGATGTGAAGTTTCAATTGCCAATA

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207397 protein sequence
 Red=Cloning site Green=Tags(s)

MAASMFYGRQLAAAA LRSHRPQTTLRAAAQVLGN SGLFNKHGLQVQQQQRTLSLHEYLSMELLQEAGVS
 VPKG FVAKSSDEAYAI AKKLGSKDVVIKAQVL AGGRGKGTFTSGLKGGVKIVFSPEEAKAVSSQMIGQKL
 ITKQTGEKGRICNQVL VCERKYPRREYYFAITMERSFQGPVLIGSAQGGVNI EDVAAENPEAIVKEPIDI
 VEGIKKEQAVTLAQKMGFSPNI VDSAAENMIKLYNLFLKYDATMVEINPMVEDSDGKVL CMDAKINFDN
 SAYRQKIFDLQDWSQEDERDKEAANADIN YIGLDGSIGCLVNGAGLAMATMDIIK LHGGTPANFLDVGG
 GATVQQVTEAFKLITSDKKVQAILVNI FGGIMRCDVIAQGI VMAVKDLEIRIPVVVRLQGTRVDDAKALI
 ADSGLKILACDDLDEAAKMVVKLSEIVTLAKEAHVDVKFQLPI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

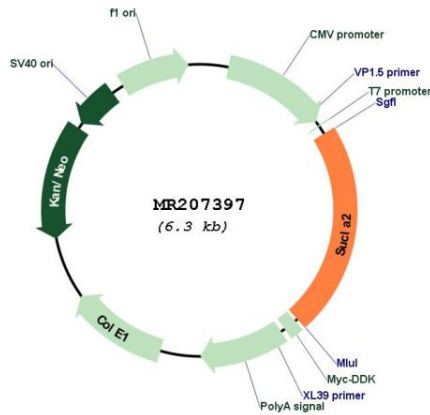
Sgfl-Mlul

Cytogenetics: 14 D3

MW: 50.1 kDa

Gene Summary: ATP-specific succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of ATP and thus represents the only step of substrate-level phosphorylation in the TCA. The beta subunit provides nucleotide specificity of the enzyme and binds the substrate succinate, while the binding sites for coenzyme A and phosphate are found in the alpha subunit.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207397