

Product datasheet for MR210140

Sugp2 (NM_001168290) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sugp2 (NM_001168290) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sugp2
Synonyms: mKIAA0365; Sfrs14; Srsf14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR210140 representing NM_001168290
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCAAGGCGGATGGCGCAGGAATCTTTGGACAGTGTATTACAGGAGAAATCTAAACGGTATGGGG
 ATTCCGAAGCTGTTGGTGAAGCTCTCCATCTTAAAGCTCAAGATCTCCTAAGGACAGGCTCAAGAGCCAG
 AGCAGATGTCTATGAGGACATTCATGGTATAGCAGGTAAGTCTCCGCCAGTGGATCTGGAGTGTATTTACTA
 GACATGGGAAGAGAGGGTCTGAGAGGTGACATGTTTGTGGGACCCTCCTTCAGATCTAGCAACCAGTCCG
 TTGGTGAAGACAGCTATCTTCGAAAGAATGTGGCCGGGATCTGGAACCAGCCCATACTGACTCCCGGGA
 CCAGAGTTTTGGCCACCGGAATCTGGGACATTTTCCTTCTCAGGACTGGAACTTGCCTCCGTGGCTCT
 TGGGAACAAGACTTGGGCCACTCAGTTTCTCAAGAATCCTCCTGGTACAGGAATATGGTTTTGGGCCCT
 CATTGTTAGGAGACTTGGCCCTCCAGGCGGATGGAGAAGGAAAGTCCGGGATTATGACCTGGACCATCC
 TGGGGAGGTGGACTCTGTGTCTAGAAGCAGTGGGCAAGTCTGACCAGAGGCCGATCTCTAAACATAGCT
 GACCAGGAAGGCACTCTACTAGGAAAGGGGACACCCAGGGTCTGCTTGGAGCAAAGGTGTTGGGAAGC
 TTATCACACTGAAAAGCATGACCACGAAGAAAAACCTGTTGCCAGTCGATTACTTCCAAACCTCAGGG
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 ATCCAGTTCGCTGCTCTGAAGATTCCTTTGGGGCTGGACCTTAGGACCCTTGGCTTGCCAGAAGGAAGA
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GCTGTGGCCTCCAAGACATCGCTCCATCCCCGGCCTACTTCCCAAATTTGAAGATTCCACTTTGTTCG
 GAAGGGAGTACATAGACCACCTGAAGGCCTGGCTCATGGCCAGTGGCTATCCCCTCCAGCTCAAGAGAGC
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 GTTCCCCAGCGGGCGGATCACAGGGTGGTGGACACATTGACCAGCTTGTATGCGTGTATCCAAGGAA
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 CCAGGAAGAGAATCAGCAGCAAGTCGCTGAAAGTTGGCATGATCCCTGCCCAAAGAGGGTGTGTCTCAT
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 AAGAAGAAACCAAGGACATGGAGTTTCCAGCAGAACTGACAGACAAGAACGTGGGCTTCCAGATGC
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 TGTGGGTGCTCTTTCAGAAGGAGAGGGCCTGGGAGCTGATGGCCCTGAGCAGAAAAGACACCTTTGAC
 GTCTTCCGCCAGCGCATGATGCAATGTACAGACACAAGCGGCCAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210140 representing NM_001168290

Red=Cloning site Green=Tags(s)

MAARRMAQESLDSVLQEKSRYGDSEAVGEALHLKAQDLLRTGSRARADVIEDIHGDSRYASGSGVYSL
 DMGREGLRGMFVGPSPFRSSNQSVGEDSYLRKECGRDLEPAHTDSRDQSFGHRNLGHFSPQDWKLLALRGS
 WEQDLGHSVSQESSWSQEYGFPSLLGDLASSRMEKESRDYDLDPGEVDSVSRSSGQVLTGRSLNIA
 DQEGTLLGKGDQGLLGAQGVGKLIITLKSMTTKIPVASRITSKPQGTNIQKPTSPDVTIGTSPVLDE
 IQFAALKIPLGLDLRTLGLPRRKMFGDAIDKADVFSRFGIEIIKWAGFHTIKDDLKFSQLFQTLFELETE
 TCAKMLASFKCSLKPEHRDFCFFTIKFLKHSALKTPRVDNEFLNMLLDKAVKTKNCFEIIKPFDKSIM
 RLQDRLLKGVTPLLMACNAYELSVKMKTLTSPDLAMALETNSLCKSLALLGQTFSLASSFRQEKILE
 AVGLQDIAPSPAYFPNFEDSTLFGREYIDHLKAWLMASGYPLQLKRAVPPESREKTTAQTWASSTLSQA
 VPQRADHRVVDIDQLVMRVIQGRLLSPRERTLLLQDPAYWFLSDESSLEYKYYKLKLAESQRLNHSWPIV
 ERRPTPAQCAVRAMLQAQAVRSLKRRLLPWQRRRLIRSQGRPLKAKKATTAQQTSLSSGTRQKHHGRQA
 SGLRVKPPPRDSSDAAQDCLSEPAKPCQPSSPGALGPSRPTGADDSEALPASSRCPANMDAKTMET
 AEKLARFVAQVGPETIEQFSIENSTDNPDWFLHDQSSSAFKFYREKVLCLCPSISFQSTGEAGDSVQSPT
 AGKEGKGEPEQEGHPEQEASLEGTEVLPPEEEEEDEEEDGEEETSLRPQAGAAKCPGSEGSPTSIP
 GEGSREDQASTPGLSQASSGSCFPRKRISSKSLKVMIPAPKRVLIIQESKVHEPVRIAYDRPRGRPIAK
 KKKPKDMEFSQQKLTDKNVGFQMLQKMGWKEGHGLGSLGKGIPEPVSVALSEGEGLGADGPEQKEDTFD
 VFRQRMQMYRHKRASK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001168290

ORF Size: 3201 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_001168290.2](#)

RefSeq Size: 4111 bp

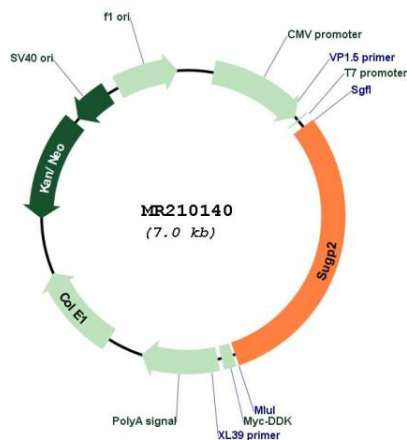
RefSeq ORF: 3204 bp

Locus ID: 234373

UniProt ID: [Q8CH09](#)

Cytogenetics: 8 B3.3
 MW: 118.1 kDa
 Gene Summary: May play a role in mRNA splicing.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210140