

Product datasheet for RC233419

SOCS2 (NM_001270470) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SOCS2 (NM_001270470) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SOCS2
Synonyms: CIS2; Cish2; SOCS-2; SSI-2; SSI2; STAT12
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233419 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCCTGCGGTGCCTTGAGCCCTCCGGGAATGGCGGGGAAGGGACGCGGAGCCAGTGGGGACCCGGG
 GGTGGCGGAGGAGCCATCCCCGAGCGGCGCTCTGGCGAAGGCCCTGCGGGAGCTCGGTGAGACAGG
 ATGGTACTGGGAAGTATGACTGTTAATGAAGCCAAAGAGAAATAAAAGAGGCACCAGAAGGAACCTTC
 TTGATTAGAGATAGCTCGCATTGACTACCTACTAACAATATCTGTTAAACATCAGCTGGACCACTA
 ATCTTCGAATCGAATACCAAGACGAAAATTCAGATTGGACTCTATCATATGTGTCAAATCCAAGCTTAA
 ACAATTTGACAGTGTGGTTCATCTGATCGACTACTATGTTGAGATGTGCAAGGATAAGCGGACAGGTCCA
 GAAGCCCCCGGAACGGCACTGTTACCTTTATCTGACCAAACCGCTCTACACGTGAGCACCATCTCTGC
 AGCATCTCTGTAGGCTCACCATTAACAAATGTACCGGTGCCATCTGGGGACTGCCTTTACCAACAAGACT
 AAAAGATTACTTGAAGAATATAAATTCAGGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233419 protein sequence
 Red=Cloning site Green=Tags(s)

MTLRCLPSGNGGEGTRSQWGTAGSAEESPQAARLAKALRELQGTGWYWSMTVNEAKEKLKEAPEGTF
 LIRDSSHSYLLTISVKTSAGPTNLRIEYQDGKFRDLSIICVKSCLKQFDSVVHLIDYVYQMKDKRTGP
 EAPRNGTVHLYLTKPLYTSAPSLQHLRLTINKCTGAIWGLPLPTRLKDYLEEYKFQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

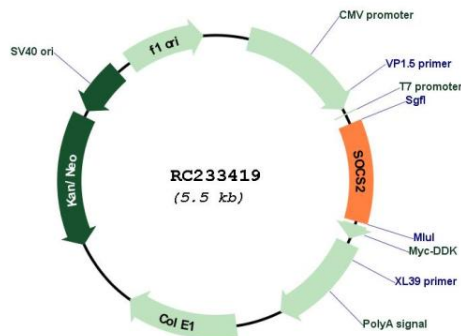


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UniProt ID: [O14508](#)
Cytogenetics: 12q22
Protein Families: Druggable Genome
Protein Pathways: Insulin signaling pathway, Jak-STAT signaling pathway, Type II diabetes mellitus
MW: 22.2 kDa

Gene Summary: This gene encodes a member of the suppressor of cytokine signaling (SOCS) family. SOCS family members are cytokine-inducible negative regulators of cytokine receptor signaling via the Janus kinase/signal transducer and activation of transcription pathway (the JAK/STAT pathway). SOCS family proteins interact with major molecules of signaling complexes to block further signal transduction, in part, by proteasomal depletion of receptors or signal-transducing proteins via ubiquitination. The expression of this gene can be induced by a subset of cytokines, including erythropoietin, GM-CSF, IL10, interferon (IFN)-gamma and by cytokine receptors such as growth hormone receptor. The protein encoded by this gene interacts with the cytoplasmic domain of insulin-like growth factor-1 receptor (IGF1R) and is thought to be involved in the regulation of IGF1R mediated cell signaling. This gene has pseudogenes on chromosomes 20 and 22. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RC233419