

Product datasheet for **SC304138**

SOCS7 (NM_014598) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOCS7 (NM_014598) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOCS7
Synonyms:	NAP4; NCKAP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

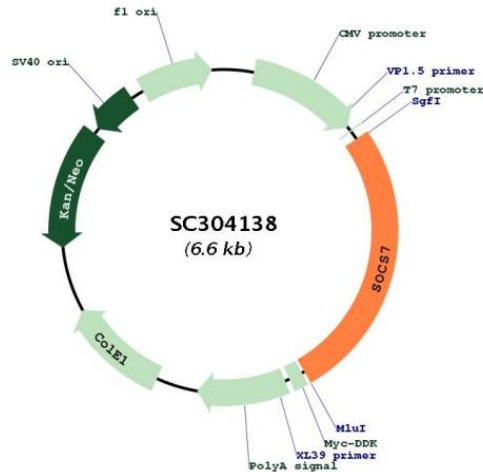


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Fully Sequenced ORF: >SC304138 representing NM_014598.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTGTTCGCCAACGTGGGTCCGCCCGCGGAGGAGGACGTGGAGGGCGGCCCGGAGCCGGGACCC
TCGGAACGTGCTGTGTCCCGGCACCGCTGTGCCCTGGACCCCAAGGCCCTGCCCGCGGGCTTGGCGCTC
GAGCGGACCTGGGGCCCGCGGCTGGACTAGAGGCGCAGTTGGCGGCTCTGGGGCTCGGGCAGCCGGCG
GGGCCGGGGTCAAGACAGTCGGTGGGGTTGCTGCCCGTGTCCGTGTCTCCTCAGCCGCCCTCCG
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GTCAGGATAGATCACATCCAGATCTCCACTGCCTAACCTCTGATCTTATATCCGAAAGTTCTAC
TACTATGATCCTCAGGAAGAGGTATACCTGTCTCTAAAGGAAGCGCAGCTCATTTCCAAACAGAAGCAA
GAGGTGGAACCTCCACGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_014598

Insert Size: 1746 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_014598.3](#)

RefSeq Size: 7978 bp

RefSeq ORF: 1746 bp

Locus ID: 30837

UniProt ID: [O14512](#)

Cytogenetics: 17q12

Protein Families:	Druggable Genome
Protein Pathways:	Jak-STAT signaling pathway
MW:	63 kDa
Gene Summary:	Regulates signaling cascades probably through protein ubiquitination and/or sequestration. Functions in insulin signaling and glucose homeostasis through IRS1 ubiquitination and subsequent proteasomal degradation. Inhibits also prolactin, growth hormone and leptin signaling by preventing STAT3 and STAT5 activation, sequestering them in the cytoplasm and reducing their binding to DNA. May be a substrate recognition component of a SCF-like E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity).[UniProtKB/Swiss-Prot Function]