

Product datasheet for **MC223373**

Supt16 (NM_033618) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Supt16 (NM_033618) Mouse Untagged Clone
Tag: Tag Free
Symbol: Supt16
Synonyms: Cdc68; Fact140; Spt16; Supt16h
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223373 representing NM_033618
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGTGACTCTGGACAAAGACGCGTACTACCGCGAGTGAAGAGATTGTACAGTAACTGGCGGAAAG
 GAGAAGATGAGTATGCCAGTATTGATGCCATTGTTGTATCGGTGGGTGTTGATGAAGAAATTGTGTATGC
 CAAGTCAACTGCCTTACAGACGTGGCTCTTTGGTTATGAACTAACTGATACAATCATGGTCTTCTGTGAT
 GACAAAATCATCTTCATGGCCAGCAAAAAGAAGGTGGAGTTTCTGAAACAGATTGCCAATACTAAAGGCA
 ATGAGAATGCTAATGGAGCCCCTGCCATCACACTGCTTGTGAGAGAGAAGAAATGAAAGTAACAAGAGCAG
 CTTTGACAAAATGATTGACGCTATCAAAGAAAGCAAGAGCGGCAAGAAGATCGGAGTGTTGAGCAAAAGAC
 AAGTTCCTGGAGAGTTCATGAAGAGCTGGAGTATTGTCTCAACAAGGAGGGCTTTGACAAAGTAGACA
 TCAGCGCTGTTGTGGCATAACCCATTGCTGTGAAAGAGGACGGTGAGCTCAACCTGATGAAGAAAGCAGC
 CAGCATCACCTCTGAGGTCTTCAACAAGTCTTTAAGGAAAGAGTCATGGAAATAGTGGATGCAGATGAG
 AAAGTTCGGCATAGCAAATTGGCTGAGTCTGTGAAAAGGCCATTGAAGAAAAAAATACCTAGCTGGGG
 CAGATCCTTCTACTGTGGAAATGTGTTACCCCTCATTCAGAGTGGTGGCACTATAATCTCAAGTT
 CAGTGTGGTGAAGTATAAGAATCATATGCATTTTGGGGCCATTACGTGTGCCATGGGCATTGCTTTAAA
 TCTTACTGCTCCAACCTTGTTCGCACTCTGATGGTTGACCCCACTCAGGAAGTTCAGAAAAATTACAAC
 TTTTACTTCAACTTCAAGAGGAGTTGCTAAAGGAATTAAGACATGGTGTGAAGATATGTGATGTGTATAA
 CTCTGTGATGGATGTGGTTAAGAAGCAGAAACCAGAATTGCTGAACAAAATTACAAAGAATCTAGGATTT
 GGGATGGAAATTGAATCCCGTGAAGGCTCTCTAGTAATCAATAGTAAAAATCAGTACAAGCTAAAGAAAG
 GGATGGTTTTTAGCATCAATCTAGGATTTTTCAGACCTGACTAACAAGAAGGGAAAAAGCCAGAAGAGAA
 AACCTATGCCCTGTTTATTGGTACACGGTCTTGTAGATGAGGATGGTCCAGCCACTATCTTACTTCT
 GTGAAAAAGAAAGTAAAGAATGTGGGATTTTCTGAAGAATGAGGATGATGAAGAGGAGGAGGAAGAGA
 AAGATGAGGCAGAGGACCTTTTGGGAAGAGGCTCTAGGGCGGCATTACTTACTGAAAGAACAAGGAATGA
 GATGACTGCAGAAGAGAAGCGAAGAGCACATCAGAAGGAAGTGGCAGCACAGCTCAACGAGGAAGCGAAG
 AGGAGGCTGACAGAGCAGAAAGGGGAACAGCAGATTTCAGAAAGCTCGAAAATCTAATGTGTCCTATAAAA



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ACCCATCTCTGATGCCTAAGGAACCACATATTCGGGAGATGAAGATCTATATTGATAAGAAATATGAGAC
TGTGATAATGCCTGTGTTTGGCATTGCCACACCCTTCCATATTGCCACAATCAAGAACATAAGTATGTCT
GTCGAAGGAGACTATACTTACTTGCGAATCAACTTCTATTGTCCAGGCAGTGCTCTGGGCAGGAATGAGG
GCAACATCTTTCCCTAACCTGAAGCCACTTTTGTCAAGGAAATACATACCGAGCTTCAAATATGAAAGC
ACCTGGAGAGCAGACTGTACCCGCCTTAAATCTCAGAATGCGTTCGGAATTATAAAGAAGTACAAAA
CGTTACAAGACCAGAGAAGCTGAAGAGAAAGAAAAAGAGGGCATTGTAAAACAAGACTCGCTGGTGATCA
ACCTAAACCGGAGTAATCCAAAACCTGAAAGACCTGTACATTCGTCCAAACATTGCCAGAAGAGAATGCA
GGGCTCACTGGAGGCTCATGTCAATGGTTTCCGATTACATCTGTTTCGAGGAGACAAGGTGGATATTCTG
TACAATAATATCAAGCATGCGCTGTTCCAGCCCTGTGATGGCGAGATGATTATTGTTTTGCACTTTCACC
TCAAGAATGCTATCATGTTTGGGAAGAAGCGACACACAGATGTACAGTTCTACACAGAAGTTGGAGAGAT
CACTACAGATTTGGGAAACATCAACACATGCATGACCGAGATGACCTGTATGCTGAGCAGATGGAACGA
GAAATGAGACACAACTGAAAACGGCCTTTAAAAATTTTCATTGAAAAAGTAGAGGCCCTAACAAAGGAGG
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TCAGCCCACTAGTAGTGCCTGGTAAATGCTACAGAGTGGCCACCCTTTGTGGTGACACTGGATGAAGTG
GAGCTGATCCATTTTGGAGGGTCCAGTTTCCACTGAAGAACTTTGATATGGTCATTGTCTACAAGGATT
ACAGCAAGAAAGTCACGATGATCAATGCTATTCCTGTTGCTCTCTAGACCCCATCAAGGAGTGGCTGAA
TTCTGTGACCTAAAGTACACAGAAGGAGTTCAGTCTCTCAACTGGACTAAAATCATGAAGACCATTGTT
GATGACCCCGAGGGCTTCTTTGAACAAGGTGGCTGGTCTTCTGGAACCTGAGGGTGAGGGGAGTGACG
CTGAGGACGGGAGACTCGGAGTCTGAAATGAAGATGAGACTTTCAATCCTTCTGAAGATGACTATGAAGA
GGAAGAAGAGGACAGCGATGAAGATTACTCATCAGAAGCTGAAGAATCAGACTATTCTAAGGAATCTCTG
GGAAGTGAAGAAGAAAGCGGGAAGGACTGGGATGAGCTAGAAGAAGAAGCACGAAAAGCGGACCGGGAAA
GCCGTTATGAGGAGGAAGAAGAACAGAGCCGAAGTATGAGCCGGAAGAGGAAGGCATCTGTACATAGTTC
AGGCCGTGGCTTAACCGTGGTTCAGACACAGCTCTGCACCCCGAAGAAAAAGAGAAAAGTAA
    
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ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA
    
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Restriction Sites:

Sgfl-NotI

ACCN:

NM_033618

Insert Size:

3144 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_033618.3](#), [NP_291096.2](#)

RefSeq Size: 4491 bp

RefSeq ORF: 3144 bp

Locus ID: 114741

UniProt ID: [Q920B9](#)

Cytogenetics: 14 26.83 cM

Gene Summary: Component of the FACT complex, a general chromatin factor that acts to reorganize nucleosomes. The FACT complex is involved in multiple processes that require DNA as a template such as mRNA elongation, DNA replication and DNA repair. During transcription elongation the FACT complex acts as a histone chaperone that both destabilizes and restores nucleosomal structure. It facilitates the passage of RNA polymerase II and transcription by promoting the dissociation of one histone H2A-H2B dimer from the nucleosome, then subsequently promotes the reestablishment of the nucleosome following the passage of RNA polymerase II. The FACT complex is probably also involved in phosphorylation of 'Ser-392' of p53/TP53 via its association with CK2 (casein kinase II).[UniProtKB/Swiss-Prot Function]