

## Product datasheet for **MC217594**

### Supt20 (NM\_019995) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Supt20 (NM_019995) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Supt20
Synonyms:	AA667204; AI450544; D3Ertd300e; Fam48a; p38IP; Supt20h
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217594 representing NM\_019995  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCAACAAGCTGTAGAACAAGCTTTGGATTGCGCAGAGTACATCGTGGAAAGTGCTCAGCAGAGACCTC  
CTAAAAGGAAATACCTGTCTAGTGAAGAAAGTCTATATTTCAAAAACCTTATGACTTATATGTTGAAGA  
ATGTGAAAAAGAACCCGAGGTTAAGCAGAAATTAAGAAGAAATGTGAACTTGTTAGAGAAGCTTGTATG  
CAGGAGACTTTGTCGTGTTAGTAGTCAATCTGTACCCAGGAAATGAAGGCTATTCTCTGATGCTCAGGG  
GGAAAAATGGATCAGATTCTGAGACCATCCGATTGCCCTTATGAAGAAGGAGAATTGCTTGAATACTTAGA  
TGCAGAAGAATTACCTCCTATTTTGGTGGATCTCCTTGAAAAATCACAGGTTAATATTTTTCATTGTGGA  
TGTGTGATAGCAGAAATACGTGACTATAGGCAGTCCAGTAATATGAAGTCTCTGGTTACCAAAGTAGGC  
ACATTCTCTACGTCCAACAATGCAGACTTTAGTCTGTGATGTCCATTCTATAACAAGTGACAACCATAA  
GTGGACCCAGGAAGACAAACTTTTGGCTTGAGAGCCAGCTGATTCTAGCTACAGCAGAGCCACTGTGTCTT  
GACCCATCGGTGGCAGTAGCGTGCCTGCAATAGGCTGCTCTATAACCGGCAGAAGATGAACACTCGCC  
CAATGAAACGGTGTGGAAAGAGTACTCCAGGTCTCCCTGAACCGCCAGCAGGACCTCTCTCACGGCCC  
TCTCCCTCAGCTGAGACTACTTGAATTTCTTACAAAAGCGGAAAGGAAAGGAAAGCAGGCCAGCATTAT  
GACCTCAAAATTTCCAAAGCAGGAAATGTGTAGACATGTGGAACCGGAGCCCCTGTAACCTGGCTGTGC  
CTTCTGAAGTAGATGTGGAAAAATATGCTAAAGTGGAGGAATCCATCAAATCTGACGACTCACAGCCAAC  
AATGTGGCCAGCTCATGATGTAAAAGACGATTATGTATTTGAATGTGAAGGTGTAATCAGTATCAGAAA  
ACAAAGCTGACCATCTTGCACTCTTTGGGATCCACTTACTATGGTAAAATACAGCCGTGGAAGCAG  
ATGAAGAAAATGACAGCCAAATGTCTCCATCCCCTCTGCTGATGACCATTCAAATGGTTTGTGCAT  
TGGGTCAAAGACTGACGCAGAGAGGGTAGTTAATCAATACCAGGAGTTGGTCCAGAATGAAGCCAAATGC  
CCAGTGAAGATGTCACACAGCAGTAGTGGTTCCAGCCGCTCTCAGTCCAGGGGAGGAGGCAGAACAGGCGG  
AGACCTCGTCCATTAGTCTTCACTTTTGGGAAAGGGAGTAAAACACCGACCCCCACCCATCAAATCTCC  
CTCAGGCTCAGGAAATAGTTCTCAGGTAATTTTACAGCACAGCAGGCCAGCAGCTTCTTAAATCT  
CCAATCTCTCCATCGTGAAGCCAAGCCTTCTCGGAAGTCTTCTGTGGACCTCAGTCAAGTTAGCA  
TGCTTTCTCTGCCGCCCTGTCCCTGCCAGCTCATCCCAGAGACATGAAAGCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_019995

**Insert Size:** 1596 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).

**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\\_019995.3](#), [NP\\_064379.1](#)

**RefSeq Size:** 1968 bp

**RefSeq ORF:** 1596 bp

**Locus ID:** 56790

**UniProt ID:** [Q7TT00](#)

**Cytogenetics:** 3 C

**Gene Summary:** Required for MAP kinase p38 (MAPK11, MAPK12, MAPK13 and/or MAPK14) activation during gastrulation. Required for down-regulation of E-cadherin during gastrulation by regulating E-cadherin protein level downstream from NCK-interacting kinase (NIK) and independently of the regulation of transcription by FGF signaling and Snail. Required for starvation-induced ATG9A trafficking during autophagy.[UniProtKB/Swiss-Prot Function]