

Product datasheet for **MG208520**

Supt20 (NM_019995) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Supt20 (NM_019995) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Supt20
Synonyms:	AA667204; AI450544; D3Ertd300e; Fam48a; p38IP; Supt20h
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208520 representing NM_019995
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAACAAGCTGTAGAACAAGCTTTGGATTGCGCAGAGTACATCGTGGAAAGTGCTCAGCAGAGACCTC
 CTAAGGAAATACCTGTCTAGTGAAGAAAGTCTATATTTCAAAAACCTTATGACTTATATGTTGAAGA
 ATGTGAAAAAGAACCCGAGGTTAAGAAATTAAGAAGAAATGTGAACTTGTAGAGAACTTGTATGACG
 GAGACTTTGTCGTGTTTAGTAGTCAATCTGTACCCAGGAAATGAAGGCTATTCTCTGATGCTCAGGGGA
 AAAATGGATCAGATTCTGAGACCATCCGATTGCCTTATGAAGAAGGAGAATTGCTTGAATACTTAGATGC
 AGAAGAATTACCTCCTATTTGGTGGATCTCCTTGAAAAATCACAGGTTAATATTTTTTCATTGTGGATGT
 GTGATAGCAGAAATACGTGACTATAGGCAGTCCAGTAATGAAGTCTCCTGGTTACCAAAGTAGGCACA
 TTCTCTTACGTCCAACAATGCAGACTTTAGTCTGTGATGTCCATTCTATAACAAGTGACAACCATAAGTG
 GACCCAGGAAGACAACTTTTGGCTTGAGAGCCAGCTGATTCTAGCTACAGCAGAGCCACTGTGCTTGAC
 CCATCGGTGGCAGTAGCGTGCCTGCAATAGGCTGCTCTATAACCGGCAGAAGTGAACACTCGCCCAA
 TGAACCGTGTGGAAAGAGGTAAGTCCAGGTCCTCCCTGAACCGCCAGCAGGACCTCTCTACGGCCCTCC
 TCCCCCTCAGCTGAGACTACTTGATTTCTTACAAAAGCGGAAGGAAAGGAAAGCAGGCCAGCATTATGAC
 CTCAAAATTTCCAAGCAGGAAATGTGTAGACATGTGGAACCGGAGCCCTGTAACCTGGCTGTGCCTT
 CTGAAGTAGATGTGGAATAATGCTAAAGTGGAGGAATCCATCAAACTGACGACTCACAGCCAACAAT
 GTGGCCAGCTCATGATGTAAAAGACGATTATGTATTTGAATGTGAAGGTGGTAATCAGTATCAGAAAACA
 AAGTGACCATCTTGCAGTCTCTGGGGTCCACTTTACTATGGTAAAAACAGCCGTGGAAAGCAGATG
 AAAAAATGACAGCCAAATGTCTCCATCCACTCCTCTGCTGATGACCATTCAAAGTGGTTTGTGCTGG
 GTCAAAGACTGACGAGAGAGGGTAGTTAATCAATACCAGGAGTTGGTCCAGAATGAAGCCAAATGCCCA
 GTGAAGATGTACACAGCAGTAGTGTTTCAAGCCCTCTCAGTCCAGGGGAGGAGGAGAACAGGGGAGA
 CCTCGTCCATTAGTCTTCAAGTTTGGGAAAGGAGTAAAACACCGACCCCAACCATCAAAGTCCCTC
 AGGCTCAGGAAATAGTTCCTCAGGTAATTTTACAGCACAGCAGGCCAGCAGCTTCTTAAATCTCCA
 ACTCCTCTCCATCGTGAAGCCAAGCCTTTCTCGGAAGTCTTCTGTGGACCTCAGTCAAGTTAGCATGC
 TTTCTCTGCCGCCCTGTCCCCTGCCAGCTCATCCAGAGACATGAAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208520 representing NM_019995
 Red=Cloning site Green=Tags(s)

MQQAVEQALDCAEYIVESAQQRPPKRYLSSGRKSIFQKLYDLYVEECEKEPEVKLLRRNVNLEKLVMQ
 ETL SCLV VNL YPGNEGYSMLRGKNGSDSETIRLPYEEGELLEYLDAEELPPILVDLLEKSQVNI FHCGC
 VIAEIRDYRQSSNMKSPGYQSRHILLRPTMQTLVCDVHSITSDNHKWTQEDKLLLESQILATAEPLCLD
 PSVAVACTANRLLYNRQKMNTRPMKRCWKRYSSSLNRQQDL SHGPPPPQLRLLDFLQKRKERKAGQH YD
 LKISKAGNCVDMWRSPCNLAVPSEVDVEKYAKVEESIKSDDSQPTMWP AHDKDDYVFECEGNGYQKT
 KLTILQSLGDPLYYGKIQPWKADEENDSQMSPSHSADDHSNWFVIGSKTDAERVVNQYQELVQNEAKCP
 VKMSSSSGSAALSPGEEAEQAETSSIQSSVLGKGVKHRPPPIKLPSSGSGNSSGNYFTAQQASSFLKSP
 TPPPCKPSLSRKSSVDLSQVSM SPAALSPASSQRHES

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_019995
ORF Size:	1593 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:	<ol style="list-style-type: none">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_019995.1 , NP_064379.1
RefSeq Size:	1972 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]