

Product datasheet for **RN202297**

Supt20h (NM_001014170) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Supt20h (NM_001014170) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Supt20h
Synonyms:	Fam48a; RGD1307812; Supt20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202297 representing NM_001014170
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCAAGCTCTGGAACAAGCTTTGGATCGTGCAGAGTATATCGTCGAAAGCGCTCAGCAGAGGCCTC
 CGAAAAGGAAATGCCTGTCTAGTGAAGAAAGTCTATATTTCAAAAACCTTATGACTTATATGTTGAAGA
 ATGTGAAAAAGAGCCCGAGGTTAAGAAATTAAGAAGAAATGTGAACTTGTAGAGAAGCTTGTTATGCAA
 GAGACATTGTCATGTTTAGTGGTCAATCTTTACCCAGGAAATGAAGGGTATTCCCTGATGCTGAGGGGAA
 AAAACGGATCAGATTCTGAGACCATCCGATTGCCTTATGAAGAAGGGGAGTTGCTTGAATACTTAGATGC
 AGAAGAATTACCTCCTATTTGGTTGATCTCCTTGAAAAATCACAGGTTAATATTTTTCACTGTGGATGT
 GTGATAGCAGAAATCCGTGACTACAGGCAGTCCAGTAATGAAGTCTCCTGGTTACCAAAGTAGGCATA
 TTCTCTACGCCAACATGCAGACTTTAGTCTGTGATGTCCATTCTATAACAAGTGACAACCATAAATG
 GACCCAGGAAGACAACTTTTGCTTGAGAGCCAGCTGATTCTAGCTACAGCAGAACCCTGTGCTTGAC
 CCATCTGTGGCAGTAGCATGCACGGCCAATAGGCTGCTCTATAACCGGCAGAAGATGAACACTCGCCCAA
 TGAACCGTGTGTTGAAGAGGTAATCCAGGTCCTCCCTGAACCGGCAGCAGGACCTCTCTACTGTCTCC
 TCCCCCTCAGCTGAGATTACTTGATTTCTTACAAAAGAGGAAAGGAAAGGAAAGCAGGTCAGCATTATGAC
 CTCAAAATTTCCAAAGCAGGAAATGTGTAGACATGTGGAACCGGAGCCCTGTAACCTGGCTGTGCCTT
 CTGAAGTAGATGTGGAGAAATATGCTAAAGTGGAGAAATCGATTAATCTGATGACTCACAGCCAACCAT
 GTGGCCAGCTCATGATGTAAAAGACGATTATGTATTTGAATGTGAAGGTGGTAATCAGTATCAGAAAACA
 AAGCTGACCATCTTGCAGTCTCTTGGTGATCCACTTTACTACGGTAAAAACAGCCGTGGAAGCAGATG
 AAGAAAGTGACAGCCAGATGTCTCCATCCACTCCTCTGCTGATGATCATTCAAACCTGGTTATTATTGG
 GTCAAAGACTGACGCAGAGAGGGTGGTTAATCAATACCAGGAGTTGGTCCAGAATGAAGCCAAATGCCCA
 GTGAAGATGTCTCACAGCTCTAGTGGTCCGCCAGTCTCAATTCTGGAGAGGAGGAGAACCAGGAGACTT
 CCTCCATTGATCTTCACTTTTGGGAAAGGGAGTAAAACATCGACCCCCACCCATCAAACCTCCCTCAAG
 CTCAGGAAATAGTTCTCAGGTAACATTTTACAGCACAGCAGGCCAGCAGCTTCCCTAAATCTCCAAC
 CCTCCACCGCCATCATCGAAGCCAGCCTTTCTCGAAGTCATCTGTGGATCTCAGTCAAGTTAGCATGC
 TTTCTCTGCTGCCCTGTACCTGCCAGCTCATCCAGAGACATGAAAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001014170
- Insert Size:** 1593 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:	<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:	<u>NM_001014170.1</u> , <u>NP_001014192.1</u>
RefSeq Size:	3717 bp
RefSeq ORF:	1593 bp
Locus ID:	361946
UniProt ID:	<u>Q66HC7</u>
Cytogenetics:	2q26
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 (By similarity).[UniProtKB/Swiss-Prot Function]