

## Product datasheet for RR217463

### Supt5h (NM\_001107497) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Supt5h (NM_001107497) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Supt5h
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217463 representing NM_001107497 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGTCGGACAGCGAAGACAGCAACTTCTCGGAGGAGGAGGACAGCGAGCGCAGCAGCGAGGCGGAGGAGG  
CCGAGGTAGAGGAAGACCGGCGAAGTGCCCGCAGGCAGTAAAAAGAAGAGGAGCCCGAGGAAGAGGAGGA  
GGAGGAAGAGGAGGAATACGATGAGGAGGAGGAGGAGGATGATGACCGGCCTCCAAGAAACCACGC  
CATGGGGGCTTCATTTTAGATGAGGCTGATGTCGATGATGAATATGAAGATGAAGACAGTGGGAAGATG  
GAGCTGAAGATATCCTGGAGAAAAGAGATTGAAGCCTCCAACATTGATAACGTTGTGCTGGATGAAGA  
CCGCTCTGGGCTCGTCGCTGCAAAATCTCTGGAGGGACCAGAGAGAAGAAGAACTGGGCGAGTATTAC  
ATGAAGAAATATGCCAAGTCATCTGTGGGAGAGACGGTATATGGAGGGTCTGATGAGCTCTCAGATGACA  
TCACCCAGCAGCAGCTGCTCCCAGGAGTCAAGGACCCCAACCTGTGGACGGTCAAGTGTAAAGATTGGGA  
GGAACGGGCCACAGCAATTTCTTGATGCGAAAATTCATCGTTACCAGTTCACAGACACACCCCTGCAG  
ATTAAGTCAGTGGTTGCCCGGAGCATGTGAAGGGCTACATCTATGTGGAGGCCTACAAACAGACCCATG  
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GGAGATGACCGATGTAAGGTGGTGAAGGAGGTGGCCAACCTGAAGCCGAAGTCTGGGTCCGCCTC  
AAGAGAGGCATCTACAAAGATGACATCGCTCAGGTGGACTACGTCGAGCCAGCCAGAACACCATTTCCC  
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TCAGCCTGAGGGCATCGACTTGGAGTGGTGACTGAAAGCACAGGGAAGGAGCGAGAGCACAAATTCAG  
CCTGGTGACAATGTGGAGGTGTGTGAGGGTGAGCTCATCAACCTGCAGGGCAAGTCTCAGCGTGGATG  
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GCTGGTGCAGTTGGATCCCGGACTGTAGGTGTCATCGTGCAGGCTGGAGCGAGAGACCTCCAGTTCTC



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AACATGCATGGGAAAGTGGTACTGTAAGGCACCAGGCTGTGACGCAGAAAAAGGACAACCGCTTCGCTG  
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 TCCGCTTCTAGGGAAGCTCTGGAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR217463 representing NM\_001107497  
 Red=Cloning site Green=Tags(s)

MSDSEDSNFSEEDSERSSEAEAEVEEDRRSAAGSEKEEPEEEEEEEEEEEYDEEEEEEDDRPPKPR  
 HGGFILDVDEYEDQWEDGAEDILEKEEIEASNIDNVVLDDEDRSGARRLQNLWRDQREEELGEYY  
 MKKYAKSSVGETVYGGSDDELSDITQQQLLPGVKDPNLWTVKCKIGEERATAISLMRKFIAFYQFTDTP  
 LQIKSVVAPEHVKGYYIYVEAYKQTHVKQAIIEGVGNLRLGYWNQMVPIKEMTDVVKVKEVANLKP  
 KSWVRLKRGYKDDIAQVDYVEPSQNTISLKMIPRIDYDRIKARMSLKDFWAKRKKFKRPPQRL  
 FDAEKIRSLGGDVASDGDFLIFEGNRYSRKGF LKSFAMSAVITEGVKPTLSELEKFEDQPEGIDLE  
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 VKVIDGPHSGREGEIRHLYRSFAFLHCKKLVENGGMFVCKARHLVLAGGSKPRDVTNLTVGG  
 FTPMSPRISSPMHPSAEGQHGGFGSPGMSRGRGRDNEFIGQTVRISQGPYKGYIGVVKDATE  
 STARVELHSTCQTSVDRQLTTVDSQRPGGMTSTYGRTPMYGSQTPMYGSGSRTPMYGSQTP  
 LQDGSRTPHYGSQTPLDGSRTPAQSGAWDPNPNTPSRAEEYEFADDEPTPSPQAYGGTPNPQ  
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 NTHSPASYHPTSPMAYQASPSVPGYSPMTPGAPSPGGYNPHTPGSGIEQNSSDWTTDIQV  
 KVRDQYLDQIVGQTVIRSVTGGMCSVYLKDESEKVVSI SSEHLEPITPTKNNKVKVILGEDRE  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

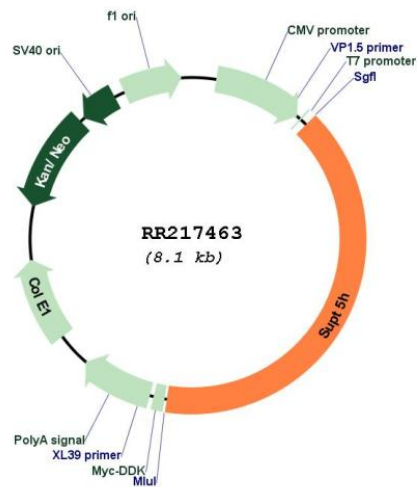
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001107497

ORF Size: 3249 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001107497.2</a></u> , <u><a href="#">NP_001100967.2</a></u>
<b>RefSeq Size:</b>	3568 bp
<b>RefSeq ORF:</b>	3252 bp
<b>Locus ID:</b>	308472
<b>Cytogenetics:</b>	1q21
<b>MW:</b>	120.8 kDa