

## Product datasheet for **RR213894**

### **Sugt1 (NM\_001013051) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sugt1 (NM\_001013051) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Sugt1  
**Synonyms:** Aa1114  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR213894 representing NM\_001013051  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGCAGCTGCAGCAGGACCTGCATCGTCCCAGCGGTTTTCCAGAGCTTCCAGATGCTCTGATCG  
ACGGGGACCCCGAGCGCGTTAGAGGAGCTGACGAAGGCTTTGGAACAGAATCCAGATGACGCACAGTA  
TTACTGTCAGAGAGCTTATTGTACATTCTCCTCGGAAATACTGTGATGGTATTGCCGATGTAAGAAG  
TCTCTTGAATCAATCAAATAATTCTACTGCTTCTGAGGAAAGGAATATGTGAATACTATGAAAAAG  
ACTATGCTTCTGCTTTAGAAACATTTGCAGAAGGACAGAAATTAGATGGTACAGATACAAATTTTGACAT  
CTGGATTAAGATGCCAAGAGATTGAGATGGAATCAGAACCTGAAGTGTCTGCATCTCAGAGGCCCGAG  
TCAAAAATCAAGTATGACTGGTATCAAACAGAATCTCATGTATCATTACACTTATGATCAAGAATGTTC  
AGAAGAATGATGTACGTGTGGATTTTTCAGAAAAAGAGTTGTCTGCTGTGGTAAAAATTCCTTCTGGAGA  
AGACTGCAGTTTGAAGTGAAGTTGCTTACCCTATAATACCAGAACAGAGTACATTTAAAGTACTCTCA  
ACAAAGATTGAAATTAATGAAAAAGCCAGAGCAGTGAGATGGGAAAAGCTAGAGGGACAAGGAGATG  
TGCCCGCCCGAAACAGTTCACAGCAGATGTAAGAACATGTATCCCTCGTCTCACTACACCCAGGAA  
CTGGGATAAACTGGTTGGTGAATCAAAGAAGAAGAAAACGAGAAGCTGGAAGGTGACGCAGCTTTA  
AACAAAGTTATTTGAGCAGATCTACTCGGATGGTCCGATGAAGTAAAACGCGCCATGAACAAGTCATTTA  
TGGAGTCTGGTGTACAGTCTTGAGCACCAACTGGTCTGACGTAGGTAAGGAAAAGTTGAAATCAACCC  
TCCTGATGATATGGAATGGAACAGTAC

**ACGGT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR213894 representing NM\_001013051  
 Red=Cloning site Green=Tags(s)

MAAAAAGPASSQRFQSFDPDALIDGDPQAAL EELTKALEQNPDDAQYYCQRAYCHILLGKYCDGIADVKK  
 SLELNPNNSTALLRKGICEYYEKDYASALETF AEGQKLDGTD TNFDIWIKRCQEIQNGSEPEVSASQRTQ  
 SKIKYD WYQTESHV IITLMIKNVQKNDVRVDFSEKELSAVVKIPSGEDCSLKLRLHPIIPEQSTFKVLS  
 TKIEIKMKKPEAVRWEKLEGGDVPAPKQFTADVKNMYPSSSHYTRNWDKLVGEIKEEEKNEKLEGDAAL  
 NKLFQQIYSDGSDEVKRAMNKSFMESGGTVLSTNWSVDVGRKRVKVEINPPDDMEWKQY

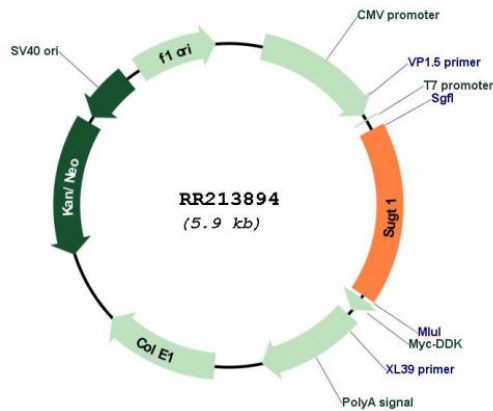
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001013051

**ORF Size:** 1008 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>	<a href="#">NM_001013051.1</a> , <a href="#">NP_001013069.1</a>
<b>RefSeq Size:</b>	1209 bp
<b>RefSeq ORF:</b>	1011 bp
<b>Locus ID:</b>	290408
<b>UniProt ID:</b>	<a href="#">B0BN85</a>
<b>Cytogenetics:</b>	15q12
<b>MW:</b>	38.1 kDa
<b>Gene Summary:</b>	May play a role in ubiquitination and subsequent proteasomal degradation of target proteins. [UniProtKB/Swiss-Prot Function]