

Product datasheet for MR205002

Sugt1 (NM_026474) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Sugt1 (NM_026474) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Sugt1
 Synonyms: 2410174K12Rik; SGT1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR205002 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCAGCTGCAGCAGGACCTGCATCGTCCCAGCGGCTTTCCAGAGCTTCTCAGATGCTCTGATCG
 ACGGGGATCCCCAGGCAGCATTAGAGGAGCTGACCAAGGCCTTGGAACAGAATCCGGATGACGCACAGTA
 TACTGTCAGAGAGCTTATTGTACATTCTTCTGGGAAATACCGTGATGGTATTGCCGATGTAAGAAG
 TCTCTTGAACCAATCAAATAATTGTACTGCTTCTGAGGAAAGGATATGTGAATACCATGAAAAAG
 ACTACGCTTCTGCCTTAGAAACATTTGCAGAGGGACAGAAATTAGATAGTACAGATACCAATTTTGACAC
 CTGGATTAAGATGCCAAGAAATTCAGAATGGATCAGAATCTGAAGTGTCTGCATCTCAGAGGACCCAG
 TCAAAAATCAAGTATGACTGGTATCAAACCGAGTCTCACGTAATCATCACCTTATGATCAAGAGCGTTC
 AGAAGAATGATGTACGTGTGGGATTTTCAGAGAGAGAGTTGTCTGCTTTGGTGAAAATTCCTGCTGGAGA
 AGACTACAGTTTGAAGCTGAGGCTGCTCCACCCTATAATACCAGAACAGAGTACATTCAAAGTACTTTCA
 ACAAGATTGAAATAAAATGAAAAAGCCAGAGGCGGTGAGATGGGAAAAGCTAGAGGGACAAGGAGATG
 AGCCACACCGAAACAGTTCACAGCAGATGTAAGAACATGTATCCGTCCTCATCTCACTATACCCGGAA
 CTGGGATAAGTTGGTTGGCGAAATCAAAGAAGAAGAAAAGAACGAGAAGCTGGAGGGCGACGCAGCTTTA
 AACAAGTTATCCAGCAGATCTACTCAGACGGTCCGATGAAGTGAACGTGCCATGAACAAGTCATTTA
 TGGAGTCTGGTGGTACAGTCTTGAGTACCAACTGGTCTGATGTAGGTAAGGAAAAGTTGAAATCAACCC
 TCCCGATGATATGGAATGAAAACAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205002 protein sequence
Red=Cloning site Green=Tags(s)

MAAAAAGPASSQRLFQSFSDALIDGDPQAAL EELTKALEQNPDDAQYYCQRAYCHILLGKYRDIADVKK
 SLELNPNNTALLRKGICEYHEKDYASALETF AEGQKLDSTDTNFDTWIKRCQEIQNGSEVVSASQRTQ
 SKIKYDQWYQTESHVIIITLMIKSVQKNDVRVGF SERELSALVKIPAGEDYSLKRLLLHPIIPEQSTFKVLS
 TKIEIKMKKPEAVRWEKLEGGDEPTPKQFTADVKNMYPSSSHYTRNWDKLVGEIKEEEKNEKLEGDAAL
 NKL FQQIYSDGSDEVKRAMNKSFMESGGTVLSTNWSVDVGRKKEINPPDDMEWKQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026474

ORF Size: 1011 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:

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_026474.6](#)

RefSeq Size: 1951 bp

RefSeq ORF: 1011 bp

Locus ID: 67955

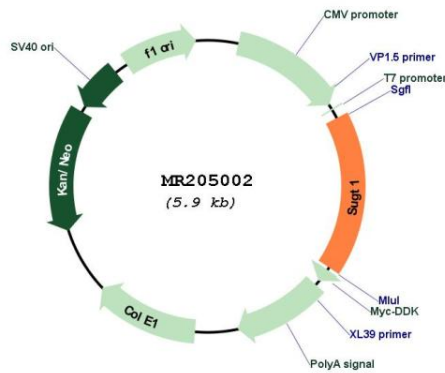
UniProt ID: [Q9CX34](#)

Cytogenetics: 14 D3

MW: 38.2 kDa

Gene Summary: May play a role in ubiquitination and subsequent proteasomal degradation of target proteins. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205002