

Product datasheet for **MG205002**

Sugt1 (NM_026474) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sugt1 (NM_026474) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sugt1
Synonyms:	2410174K12Rik; SGT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205002 representing NM_026474 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGCTGCAGCAGGACCTGCATCGTCCCAGCGGCTTTCCAGAGCTTCTCAGATGCTCTGATCG
ACGGGGATCCCCAGGCAGCATTAGAGGAGCTGACCAAGGCCTTGGAACAGAATCCGGATGACGCACAGTA
TTACTGTCAGAGAGCTTATTGTACATTCTTCTGGGAAATACCGTGATGGTATTGCCGATGTAAGAAG
TCTCTTGAACCAATCAAATAATTGTACTGCTCTTCTGAGGAAAGGGATATGTGAATACCATGAAAAAG
ACTACGCTTCTGCCTTAGAAACATTTGCAGAGGGACAGAAATTAGATAGTACAGATACCAATTTTGACAC
CTGGATTAAGATGCCAAGAAATTCAGAATGGATCAGAATCTGAAGTGTCTGCATCTCAGAGGACCCAG
TCAAAAATCAAGTATGACTGGTATCAAACCGAGTCTCACGTAATCATCACCCATTATGATCAAGAGCGTTC
AGAAGAATGATGTACGTGTGGGATTTTCAGAGAGAGAGTTGTCTGCTTTGGTGAAAATTCCTGCTGGAGA
AGACTACAGTTTGAAGCTGAGGCTGCTCCACCCTATAATACCAGAACAGAGTACATTCAAAGTACTTTCA
ACAAAGATTGAAATTAATGAAAAGCCAGAGGCGGTGAGATGGGAAAAGCTAGAGGGACAAGGAGATG
AGCCACACCGAAACAGTTCACAGCAGATGTAAGAACATGTATCCGTCCTCATCTACTATACCCGGAA
CTGGGATAAGTTGGTTGGCGAAATCAAAGAAGAAGAAAAGAACGAGAAGCTGGAGGGCGACGCAGCTTTA
AACAAAGTTATCCAGCAGATCTACTCAGACGGTCCGATGAAGTGAACGTGCCATGAACAAGTCATTTA
TGGAGTCTGGTGGTACAGTCTTGAGTACCAACTGGTCTGATGTAGGTAAGGAAAAGTTGAAATCAACCC
TCCCGATGATATGGAATGAAAACAGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205002 representing NM_026474
 Red=Cloning site Green=Tags(s)

MAAAAAGPASSQRLFQSFSDALIDGDPQAAL EELTKALEQNPDDAQYYCQRAYCHILLGKYRDIADVKK
 SLELNPNNTALLRKGICEYHEKDYASALETF AEGQKLDSTDTNFDTWIKRCQEIQNGSEVSASQRTQ
 SKIKYDWYQTESHVITLMIKSVQKNDVRVGF SERELSALVKIPAGEDYSLKRLLLHPIIPEQSTFKVLS
 TKIEIKMKKPEAVRWEKLEGGDEPTPKQFTADVKNMYPSSSHYTRNWDKLVGEIKEEEKNEKLEGDAAL
 NKLFQQIYSDGSDEVKRAMNKSFMESGGTVLSTNWSVDVGRKVEINPPDDMEWKQY

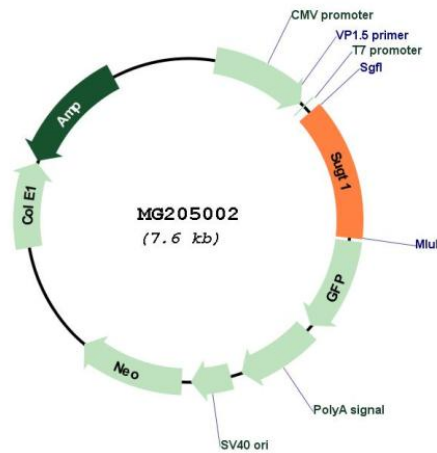
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026474

ORF Size: 1008 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_026474.6
RefSeq Size:	2929 bp
RefSeq ORF:	1011 bp
Locus ID:	67955
UniProt ID:	Q9CX34
Cytogenetics:	14 D3
Gene Summary:	May play a role in ubiquitination and subsequent proteasomal degradation of target proteins. [UniProtKB/Swiss-Prot Function]