

Product datasheet for **MG203995**

Gulp1 (NM_028450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gulp1 (NM_028450) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gulp1
Synonyms:	3110030A04Rik; 5730529O06Rik; CED-6; Ced6; GULP; Gulp-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203995 representing NM_028450 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCGTGCTTTCAGCAGAAAGAAAGACAAAACATGGATGCATACGCCTGAAGCTTTATCAAACATT
ATATTCCTATAATGCAAAGTTTCTTGGCAGTACCGAAGTGGAGCAGCCAAAGGGAACAGAAGTTGTGAG
AGATGCTGTCAGGAAGCTGAAGTTTGAAGACACATCAAAAAATCTGAAGGCCAGAAGATTCCTAAAGTT
GAATTGCAAATATCAATTTATGGAGTAAAAATTCGAACAAAAACAAAGGAGGTTCAACACAACCTGCC
AGCTTCATAGAATATCATTTTGGCAGATGATAAAACTGACAAGAGGATATTCACATTCATATGCAAAGA
TTCTGAGTCAAATAAACATTTGTGTTTTGTATTTGACAGCGAAAAGTGTGCTGAAGAAATTACATTAACA
ATTGGCCAAGCTTTTGAAGTGGCATAACAGAAAATTTCTAGAATCTGGAGGAAAAGATGTAGAGACAAGAA
AACAGATTGCTGGAATGCAGAAAAGAAATCCAAGACTTAGAAAACAGAAAACATGGAAGTAAAAATAAAGT
ACAAGATTTAGAAAGCCGTTGAGAACAACCAAGTGTCCACGTCTCCAGCCATGGTGTGACAGTGATG
TCTCCTCCACTGATATCTTTGACATGATTCCATTTCCCAATATCACATCAGTCTCCAACATCTGCTC
GCAATGGCACACAGCTACCACCCATCCCTAGCAGATCTGCTGAGACCAACCGGGACCTTTTGGAGCTGA
ACTTTTGACCCATTTAACTGTGGATCAGGGGACTTTCTCCTGATATTCAGTCCAAATTGGATGAGATG
CAGGAGGGTTCAAATGGGACTAACTTTGAAGGAACAGTGTGTTGTCTCGACCATTAGACAGCAGGT
GC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG203995 representing NM_028450
 Red=Cloning site Green=Tags(s)

MNRAFSRKKDKTWMHTPEALSKHYIPYNAKFLGSTVEVEQPKGTEVVRDAVRKLFARHIKKSEGQKIPKV
 ELQISYIGVKILEPKTKEVQHNCQLHRISFCADDKTDKRIFTFICKDSESNKHLCFVFDSEKCAEITLT
 IGQAFDLAYRKFLSEGGKDVETRKQIAGMQKRIQDLETENMELKNKVQDLESRLRTTQVSTSPAHGVTVM
 SPSTDIFDMIPFSPIHQSPTSARNGTQLPPIPSRSAETKRDLFGAEPDFPFCGSGDFPPDIQSKLDEM
 QEGFKMGLTLEGTVFCLDPLDSRC

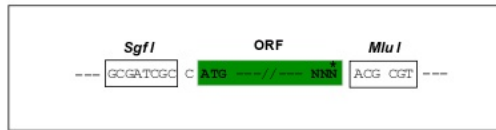
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1665_a09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_028450

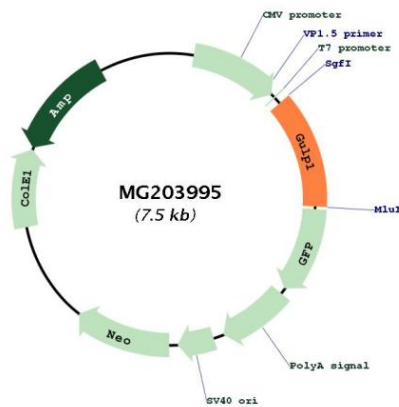
ORF Size: 912 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_028450.1</u> , <u>NP_082726.1</u>
RefSeq Size:	2065 bp
RefSeq ORF:	915 bp
Locus ID:	70676
UniProt ID:	<u>Q8K2A1</u>
Cytogenetics:	1 C1.1
Gene Summary:	Modulates cellular glycosphingolipid and cholesterol transport. May play a role in the internalization of various LRP1 ligands, such as PSAP (By similarity). May function as an adapter protein. Required for efficient phagocytosis of apoptotic cells. Increases cellular levels of GTP-bound ARF6.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203995