

Product datasheet for **RR204040**

Gulp1 (NM_001013171) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gulp1 (NM_001013171) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gulp1
Synonyms: CED-6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204040 representing NM_001013171
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACCGGGCTTTCAGCAGGAAGAAAGACAAAACATGGATGCATATGCCTGAAGCCTTATCAAACATT
ACGTTCCCTATAATGCAAAGTTTCTTGGCAGTACTGAAGTGGAGCAGCCAAAGGGAACAGAAGTTGTGAG
AGATGCTGTCAGGAAGCTGAAGTTTGAAGACACATCAAGAAATCTGAAGGCCAGAAGATTCCTAAAGTT
GAATTGCAAATATCAATTTATGGAGTGAAAATTCGAACCAAAAACAAAGGAAGTTCAACACAAGTCC
AGCTTCATAGAATATCATTTTGTGCAGATGATAAAACCGACAAGAGGATTTTACCTTCATATGCAAAGA
TTCTGAGTCAAACAAACATTTGTGTTTTGTGTTTGACAGCGAAAAGTGTGCTGAAGAAATACATTAACA
ATTGGCCAAGCATTTGACTTAGCATACAGGAAATTTCTAGAATCTGGAGGAAAAGATGTGGAAACAAGAA
AACAGATTGCTGGAATGCAGAAAAGAATCCAAGACTTAGAAAACAGAAAATATGGAACCTAAAAATAAAGT
ACAAGATTTAGAAAACCGGTTGAGAACAACCTCAAGTGTCTCGACTCCAGCTGGTGGTGTGACAGTGACT
TCTCCTCCACTGACATCTTTGACATGATTCCATTTTCCCAATATCACACCCGTCTCCAACCTCTGCTG
GCAATGGCACACAGCTACCACCATACCTAGCAGATCTTCAGAGATCAAACGGGACCTTTTGGAGCTGA
ACCTTTTGACCCATTTAACTGTGGAGCAGGGGACTTTCCTCCTGATATTAGTCCAAATGGATGAGATG
CAGGAGGGGTTCAAATGGGACTAACTCTTGAAGGAACAGTATTTGTCTCGACCCATTAGACAGCAGGT
GC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204040 representing NM_001013171
 Red=Cloning site Green=Tags(s)

MNRAFSRKKDKTWMHPEALSKHYVPYNAKFLGSTVEVEQPKGTEVVRDAVRKLFARHIKSEGGQKIPKV
 ELQISIVGKILEPKTKVEQHNCQLHRISFCADDKTDKRIFTFICKDSESNKHLCFVFDSEKCAEEITLT
 IGQAFDLAYRKFLSEGGKDVETRKQIAGMQKRIQDLETENMELKNKVQDLENRLRTTQVSSTPAGGVTVT
 SPSTDIFDMIPFSPISHPSPTSAGNGTQLPPIPSRSSEIKRDLFGAEPDFPFNCAGAGDFPPDIQSKLDEM
 QEGFKMGLTLEGTVFCLDPLDSRC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

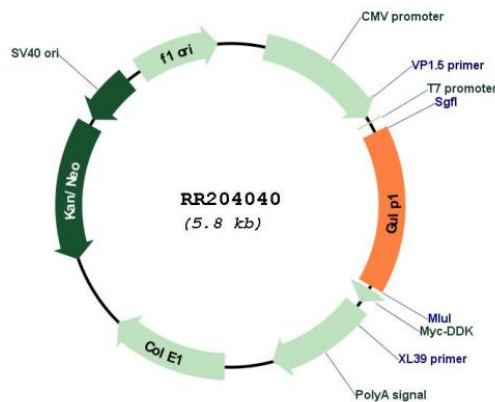
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013171

ORF Size: 912 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_001013171.2 , NP_001013189.1
RefSeq Size:	2835 bp
RefSeq ORF:	915 bp
Locus ID:	314543
UniProt ID:	Q5PQS4
Cytogenetics:	9q22
MW:	34.3 kDa
Gene Summary:	May function as an adapter protein. Required for efficient phagocytosis of apoptotic cells. Modulates cellular glycosphingolipid and cholesterol transport. May play a role in the internalization and endosomal trafficking of various LRP1 ligands, such as PSAP. Increases cellular levels of GTP-bound ARF6 (By similarity).[UniProtKB/Swiss-Prot Function]