

Product datasheet for MR206237

Tfg (NM_019678) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Tfg (NM_019678) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Tfg |
| Synonyms: | A1173908 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR206237 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGGACAGTTGGACCTAAGTGGGAAGCTGATTATCAAAGCTCAACTGGGGAAAGATATCCGACGAA
TTCCCATTCATAATGAAGACATTACTTACGATGAATTAGTGCTAATGATGCAGCGAGTATTCAGAGGAAA
GCTTCTGAGTAATGATGAAGTTACAATAAAGTATAAGGATGAAGATGGAGATCTTATAACAATTTTGGAT
AGTTCTGACCTTTCCTTTGCAATTCAGTGTAGTAGAATACTGAACTGACATTATTTGTTAATGGCCAGC
CAAGACCCCTTGAATCAAGTCAGGTGAAATATCTTCGTCGAGAACTGGTAGAACTCGAAATAAAGTGAA
TCGCTTATTGGATAGCTTAGAACCACTGGAGAACCAGGACCTCCACCAGTATTCTGAAAATGATACT
GTGGATGGCAGGGAAGAGAAGCCTGCCGCTTCTGACTCTTCTGGGAAACAGTCAACTCAGGTTATGGCAG
CAAGTATGTCAGCTTTTGGATCCTCTGAAAAACCAAGATGAAATCAACAAAAACGTCATGTCAGCATTGG
ATTAACAGATGACCAGGTTTCAGGCCACCCAGTGCCCTACAGAAGACCGCTCCGGAACACCTGACAGC
ATTGCTTCTTCTCCTCAGCAGCACACCCAGCAGTTACAGCCGAGCAACCTCCCTATGCAGGAGCTCAGA
CACAAGCAGGTCAGATTGAAGGTCAGATGTACCAGCAGTACCAGCAGCAGGCTGGCTACAGTGCCAGCA
GCCTCAGGCCCTCCTCAGCAGTATGGTGTTCAGTACTCAGCTAGTTACAGCCAGCAGACTGGACCCCAA
CAACCTCAGCAGTCCAGGGATATGGCCAACAACCAACTCCCAGGCACCGGCTCCTGCTTTTCTGGCC
AGCCACAACAACCTGCCTGCTCAACCACCACAGCAGTACCAGGCGAGCACTTACCCTCCACAACGTAAC
TACCCAACCATCTCAGCCTGCCAACTATACTGTTCCCTGCTCAGCCTGGAATGGCTCCAAGCCAA
CCTGGTGTTACCAACCAAGACCAGTTTTACGCCATCTCCTGCAAGTACCATGACCCCTCCTTCTAGTG
GGGCTAACCTTATGCTCGTAACCGTCTCCTTTTGGTCAGGGGTATGCCAACCTGGACCTGGTTATCG
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206237 protein sequence
Red=Cloning site Green=Tags(s)

MNGQLDL SGKLI IKAQLGEDIRRIPIHNEDITYDELVLMQRFVFRGKLLSNDEVTIKYKDEDGDLITIFD
 SSDLSFAIQCSRILKLTFLVNGQPRPLESSQVKYLRRRELVELRNKVNRLDLSLEPPGEPGPSTSIENDT
 VDGREEKPAASDSSGKQSTQVMAASMSAFDPLKNQDEINKNVMSAFGLTDDQVSGPPSAPTEDRSQTPDS
 IASSSSAAHPAVQPQPPYAGAQTQAGQIEGQMYQQYQQQAGYSAQQPQAPPQQYGVQYSASYSQQTGPQ
 QPQQFQYGVQPPQTSQAPAPAFSGQPQLPAQPPQYQASTYPPQTYTTQPSQPANYTVPPGSQPGMAPSQ
 PGAYQPRPGFTSPASTMTPSSGANPYARNRPPFGQGYAQPGPGYR

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_019678

ORF Size: 1194 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_019678.3](#)

RefSeq Size: 1948 bp

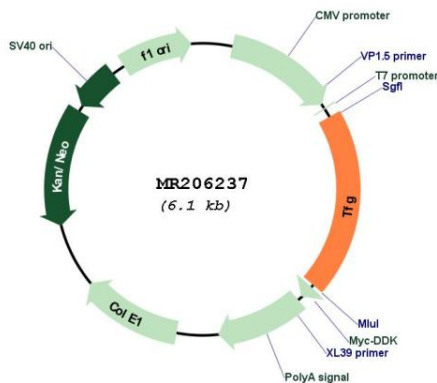
RefSeq ORF: 1194 bp

Locus ID: 21787

Cytogenetics: 16 C1.1

MW: 43 kDa

Product images:



Circular map for MR206237