

Product datasheet for **RC231798**

LOC100506422 (NM_001004352) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LOC100506422 (NM_001004352) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LOC100506422
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231798 representing NM_001004352
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGTAATCCCAGCACTTGGGGAGGCCAAGGGAGAAGTGCTGCCACCAGGAGACACGACGACGATAA
TTCCATTAACCTGGATGTTAAATCACCACCTGGACACTTTGGGCTCCTCCTCTATTAAGTCAACAGGC
CAAGAATGGAGTTATGGTGTGGCTGGGGTAAGTACCCAGAGTATCAAGATGAAATCAGTCTACTACTC
CACAATGAAGGTCATCTGAAAGAGGTGAAGATGGAGGGAGCACGTCTAGGTCTTCCAGGAAGAGCTGAGA
GTCTTGAACACCAAGTGCAAAGCCATCTCAACATGATTGCCAGAGTCAAAGGACATTCCAGAAGAAAGA
TGCTGGAAAAGCCATTATTCTCAGCAAACCTAACACAGGAACAGAAAACCAAACTGCATGTTCTCACTT
CAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231798 representing NM_001004352
Red=Cloning site **Green**=Tags(s)

MPVIPALGEAKGEVLPPGDTTIIPLNWMKSPPGHFGLLLLLSQAKNGVMVLAVGTDPEYQDEISLLL
HNEGHLKEVKMEGARLGLPGRASLEHQVQSHLNMIASQRTFQKKDAGKAIILSKLTQEQTKHCMFSL
H

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001004352

ORF Size: 423 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

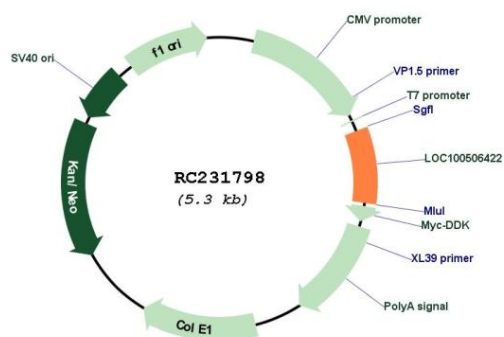
RefSeq: [NM_001004352.2](#), [NP_001004352.1](#)

RefSeq Size: 2320 bp

RefSeq ORF: 426 bp

Locus ID: 100506422
 UniProt ID: [Q6ZN92](#)
 Cytogenetics: 9p21.2
 MW: 15.9 kDa

Product images:



Circular map for RC231798