

Product datasheet for **RC236172**

LOC100129940 (NM_001292023) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC100129940 (NM_001292023) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LOC100129940
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC236172 representing NM_001292023 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGACGTTTCACTGCAAAGGCTACGGAGGAACCCCGCAATTGGAATCTCTCCATGCCTTCTGCAGC
ATGGAACATACTCCGGGACCTACCGGGGCTCTCTCGGGCCACCTCTGAGTGCAAGGGAAAAGAGTGCG
TTCAAGGAAGGGAATGTGTCTGTATCCCACTTGCAGCAAGGCCAGTTCGGGATCAGCAGGCTTC
CTTCACCAAGCAGGGCTCTTATTAGCAACCACTGGGAGGGAATGTGTGCGGAGTCATGTCAAGATGGGA
AGGCACATGTTCTATCTTGACAGCAGCAGAAAGAAAAATGGCAGCAGAAGGAAAACAGCAGCAGAAAGA
AAAATTTGACTCAGATGGGTTGAGAGGGCAATGGCAAGCAATCTTGGTACATGTCTGCTGCTCAGAC
AGAGTCTTGCTCTGTTGCCAGGCTGGAGTGCAGTAGCACAGTCATGGCTCACTGAAGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC236172 representing NM_001292023 Red=Cloning site Green=Tags(s)
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METFCKGYGGTPAIGISPCLLQHGNILRDLPLSLRATSECKGKECSSRKGMCSSHHLRARVPVPSAGF
LHQHGLFISNHWEGMCAESCQDGAHVPILTAAERKMAAEGKQQKEKFDSDGLRGQWQAILVHVSCISD
RVLLCCPGWSAVAQSWLTEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	SgfI-MluI
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Cloning Scheme:


ACCN: NM_001292023

ORF Size: 480 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.

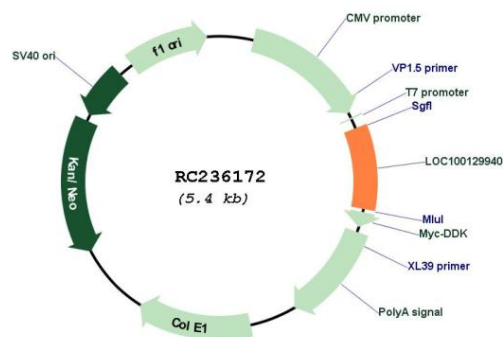
RefSeq: [NM_001292023.1](#), [NP_001278952.1](#)

RefSeq Size: 4743 bp

RefSeq ORF: 483 bp

Locus ID: 100129940
 Cytogenetics: 12q14.3
 MW: 17.8 kDa

Product images:



Circular map for RC236172