

Product datasheet for RC211303

FLJ40504 (NM_173624) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLJ40504 (NM_173624) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FLJ40504
Synonyms:	MGC138231; MGC138233
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211303 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCATTGCTTAATTTGGGTCTTAGCCAGTTAGATTTACCTTCAGCTTTAACAAAAAATTGGCCGT
CAAAACCTGAGTCCTGTCTCTTGTCTCCTCCCCGGACAGCATGAACTTCACCACTTGTCCACCCTCT
CCACCACTACCAGTCCCTGGGCACTGTCCAGGCACCCAGCTATGTGCCAGCTGGTCAGCAGTGTGGCC
AGTGTCTATGCAGGCATCAGGGGCTCTGGTCCCAGGATCTCCATGTCCTGCTTCACCAGCTCCAGGGCA
GCATGGGGTCCAGGGCCTGCCCGAGTATGGCCGGGGTCTGGCAGGAATGGGAGTCATCCAGAATGA
GAAGGAAACCATGCAAAGCCTCAACGACCACCTGGCCTCCTACCTGGACAGAGTTAGGAGCCTGGATACC
AAGAAGCTGGAAGCTGGAGAGCCAGGAGCACCTGGAGAAGAAGGGACCCAGGTCAGAGACTGGAGCCATG
ACTTCAAGACCATCGAGAACCTGAGGGCTCAGATCTTTGCAAATACTGTGGACAGTGCCACATTGTTCT
GCAGATCGACAATGCCTGTCTTGTCTGGTATGACTTTAGGGTCAAGTATGAGACAGAGCTGGCCATGTGC
CAGTCTGTGGAGAGTGACATCCATGGGCTCCACAAGGTCATTGATGACACCAATGCACTTGGCTGCAGC
TGAAGCAGAGATCAAGGCTCTCAAGGAGAAGCTGCTTTCATGAAGAAGAACCATGAAGAGGAAGTAA
GGCCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211303 protein sequence
Red=Cloning site Green=Tags(s)

MDHCLISGLSQLDLPALTKNWPSKPEscPLALLPGQHELHLLHPLHQLPVPGHCPGTQLCAQLVSSVA
 SVYAGIRGSGSRISMScFTSFQGSMSGRGLPAVMAGGLAGMGVIQNEKETMQSLNDHLASYLDRVRLDT
 KNWKLESQEHLKKGPKQVRDWSHDFKTIENLRAQIFANTVDSAHIVLQIDNACLAgDDFRVKYETELAMC
 QSVESDIHGLHKVIDDTNVTWLQLEAEIKALKEKLLFMKKNHEEEVKGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6369_b02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_173624

ORF Size: 777 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_173624.3](#)

RefSeq Size: 963 bp

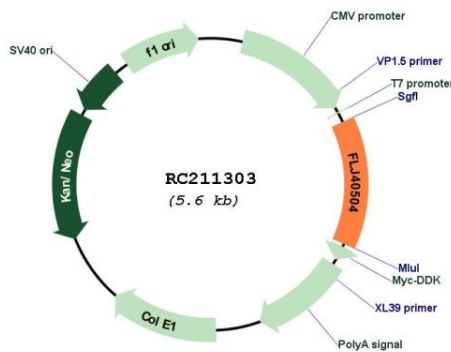
RefSeq ORF: 779 bp

Locus ID: 284085

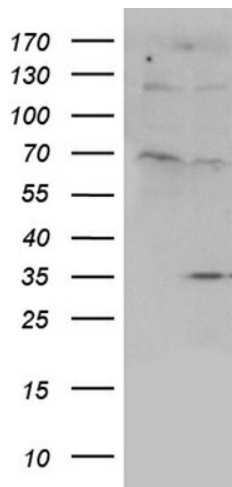
Cytogenetics: 17q11.2

MW: 28.7 kDa

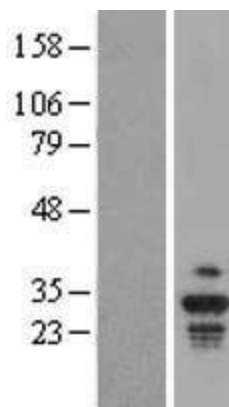
Product images:



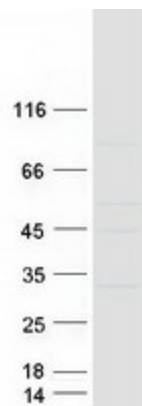
Circular map for RC211303



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FLJ40504 (Cat# RC211303, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FLJ40504 (Cat# [TA810106])(1:500). Positive lysates [LY406513] (100ug) and [LC406513] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY406513]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211303 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FLJ40504 protein (Cat# [TP311303]). The protein was produced from HEK293T cells transfected with FLJ40504 cDNA clone (Cat# RC211303) using MegaTran 2.0 (Cat# [TT210002]).