

Product datasheet for **RC209893**

FLJ43980 (NM_001004299) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FLJ43980 (NM_001004299) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FLJ43980
Synonyms: MGC87661, DKFZp781D1722
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC209893 representing NM_001004299
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAGAAGCTCTGGCTTCGGGGGCCAGAAGGGCCAGGGGCCCTCTGCTCCTCACCGGCTGTTGGT
GTTGCAGGGGGGACGATGTCGCCGAGAGCGATGACAGCCCCTTCGCCAGTGCGGGTACAATATCCAAGA
GAAACACCTCGGCAAGCTCCACAGAGCTGCCAGCCGGGTGAAGTCTCCAAGGTGGAGTGCATCCTTTTCG
AGCGGGAGCGCTGACTTGGATGAGAGAGACAAGAAGAAAAGGACTGCTCTGCATTTGGCCTGTGCCAACG
GCCATCCAGAAGTGGTAGCTCTTCTGGTGGACAGAGGATGTCACTTGTGTCTTTGACAACAAAAACAG
GACTGCTCTGCTAAAGGCGGTACAATGCCAGGAAGAGGAATGTGCGACTATTTTGCTAGAACACGGAGCC
GACCCAGACCTTCCAGATGTCTATGGCAATACTACCTTACACTATGCCATCTACAATGAGGATATCCCAA
TGACAAAAAACTGCTTTTACACCATGCCAATATTGAATCAGCAAAACAAGGATGAACTCACACCATTTTT
GCTAGCTGTACATGAGCAAAAACAGCAAAATGGAAGACTTTTTAAGAAAGCAAAAAGAAAATTTAACTGCA
GTTAAGCTTGAAGCATTACCAAGTAATGTCTGAATACAAGAAAATGAGACACCTAGAAATCCTCAA
ATAGCAATCCAGAAGGAACATCTACAAGATGGCGTCTGGGAGAAGGAGCAGCAGGTGCAAAAAGTGA
TGAGATTCCTGGAAATCCTGTAACAAGGCTTTTCAACAAACCATCTATTGACGACTCAGACCTATGTCA
GCTAATGAAGACTTTGATTTTGATACTGAGGAGAAAGCAACAGAGCCAGCAAATGGAAAAAGACAAAATG
GTATGGGTATTATTGAGAGTGTCCACAAGAGCACACAAAATAATGAAAACATT

ACGCGTACGCGGCCGCTCGAGCAGAAAACTCATCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC209893 representing NM_001004299
Red=Cloning site Green=Tags(s)

MRRSSSGFGGQKGQGPSCSFTGCWCCRGDDVAESDDSPFAQCGYNIQEKHLGKLRHAASRGEVSKVECILS
 SGSADLDERDKKRTALHLACANGHPEVVALLVDRGCQLDVFDNKNRTALLKAVQCQEEECATILLEHGA
 DPDLPDVYGNTTLHYAIYNEDIPMTKLLHHANIESANKDELTPFLAVHEQKQMQMEDFLRKQKENLTA
 VKLESIHQVMSEYKENETPRNPQNSNPEGTSNKMACLGEAGAAGAKVDEIPGNPVTRLFNKPSIDDSRPMS
 ANEDDFDTEEKATEPANGKRQNGMGIIESAPQEHTNNENI

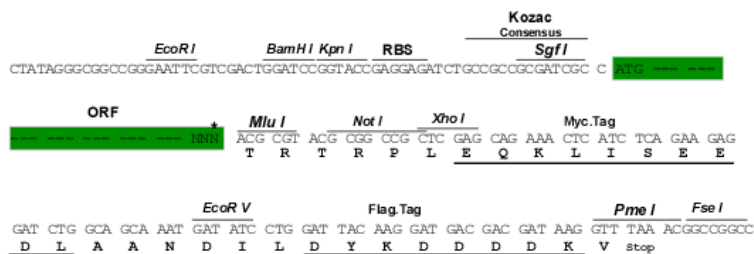
TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Chromatograms: https://cdn.origene.com/chromatograms/mk6358_a03.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_001004299

ORF Size: 963 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_001004299.1](#), [NP_001004299.1](#)

RefSeq Size: 3722 bp

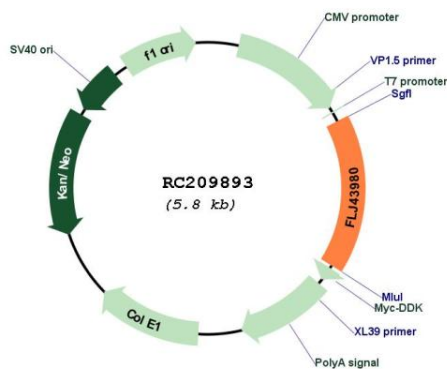
RefSeq ORF: 965 bp

Locus ID: 124149

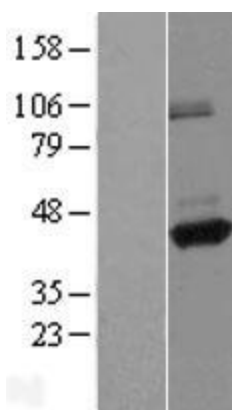
Cytogenetics: 16q11.2

MW: 35.9 kDa

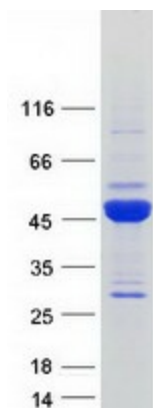
Product images:



Circular map for RC209893



Western blot validation of overexpression lysate (Cat# [LY424077]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209893 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FLJ43980 protein (Cat# [TP309893]). The protein was produced from HEK293T cells transfected with FLJ43980 cDNA clone (Cat# RC209893) using MegaTran 2.0 (Cat# [TT210002]).