

Product datasheet for **RG209893**

FLJ43980 (NM_001004299) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLJ43980 (NM_001004299) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FLJ43980
Synonyms:	MGC87661, DKFZp781D1722
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209893 representing NM_001004299 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAGAAGCTCTGGCTTCGGGGGCCAGAAGGGCCAGGGGCCCTCCTGCTCCTCACCGGCTGTTGGT
GTTGCAGGGGGGACGATGTCGCCGAGAGCGATGACAGCCCCTTCGCCAGTGCGGGTACAATATCCAAGA
GAAACACCTCGGCAAGCTCCACAGAGCTGCCAGCCGGGTGAAGTCTCCAAGGTGGAGTGATCCTTTTCG
AGCGGGAGCGCTGACTTGGATGAGAGAGACAAGAAGAAAAGGACTGCTCTGCATTTGGCCTGTGCCAACG
GCCATCCAGAAGTGGTAGCTCTTCTGGTGGACAGAGGATGTCACTTGTGTCTTTGACAACAAAAACAG
GACTGCTCTGCTAAAGGCGGTACAATGCCAGGAAGAGGAATGTGCGACTATTTTGCTAGAACACGGAGCC
GACCCAGACCTTCCAGATGTCTATGGCAATACTACCTTACACTATGCCATCTACAATGAGGATATCCCAA
TGACAAAAAACTGCTTTTACACCATGCCAATATTGAATCAGCAAAACAAGGATGAACTCACACCATTTTT
GCTAGCTGTACATGAGCAAAAACAGCAAAATGGAAGACTTTTTAAGAAAGCAAAAAGAAAATTTAACTGCA
GTTAAGCTTGAAAGCATTACCAAGTAATGTCTGAATACAAGAAAATGAGACACCTAGAAATCCTCAA
ATAGCAATCCAGAAGGAACATCTACAAGATGGCGTGTGGGAGAAGGAGCAGCAGGTGCAAAAAGTGA
TGAGATTCCTGGAAATCCTGTAACAAGGCTTTTCAACAAACCATCTATTGACGACTCACGACCTATGTCA
GCTAATGAAGACTTTGATTTTGACTGAGGAGAAAGCAACAGAGCCAGCAAATGGAAAAAGACAAAATG
GTATGGGTATTATTGAGAGTGTCCACAAGAGCACACAAAATAATGAAAACATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209893 representing NM_001004299
 Red=Cloning site Green=Tags(s)

MRRSSGFGGQKGQGPSCSFTGCWCCRGDDVAESDDSPFAQCGYNIQEKHLGKLRHAASRGEVSKVECILS
 SGSADLDERDKKRTALHLACANGHPEVVALLVDRGCQLDVFDNKNRTALLKAVQCQEEECATILLEHGA
 DPDLPDVYGNTTLHYAIYNEDIPMTKLLHHANIESANKDELTPFLAVHEQKQQMEDFLRKQKENLTA
 VKLESIHQVMSEYKENETPRNPQNSNPEGTSNKMACLGEAAGAKVDEIPGNPVTRLFNKPSIDDSRPMS
 ANEDFDFTTEEKATEPANGKRQNGMGIIESAPQEHTNNENI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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](#)

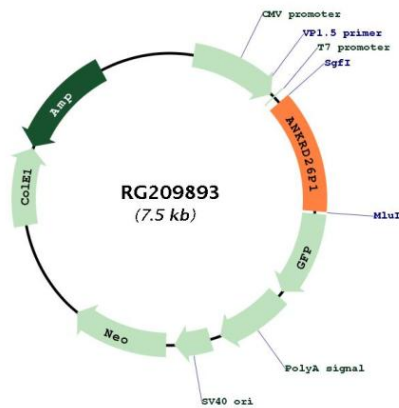
RefSeq Size: 3722 bp

RefSeq ORF: 965 bp

Locus ID: 124149

Cytogenetics: 16q11.2

Product images:



Circular map for RG209893