

Product datasheet for **MG214693**

4930544G1IRik (NM_001161773) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: 4930544G1IRik
Synonyms: MGC130069; MGC130070
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214693 representing NM_001161773
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCCATCCGGAAGAACTGGTGATCGTGGGAGATGGAGCTTGTGGAAAAACATGTTTGCTCATCG
TCTTCAGCAAGGACCAGTTTCTGTGAGGTTTACGTGCCACAGTATTTGAGAAGTATGTGGCTGATATCGA
AGTGGATGGAAAACAGGTGGAGTTGGCCCTGTGGGATACAGCTGGACAAGAAGATTATGATCGCCTGAGG
CCACTCTCTATCCCGACTGATGTTCTTGTATGTTTCTCCATTGGCAACCCTGATAGCTTTGGGA
ACATCCACATAAATGGATTCCAGAAGTCAAGCATTTCTGTCCCAACGTGCCCATCATCCTGGTTGGGAG
TAAGAAGGATCTTCGGAATGACTTCTACACGATACAAGAGTTAGCCAAGAGGAAGCAAGCGCCTGTGAGA
CCTGAACAAGGCCAAGGGTTGGCGAACAGCATTGGCGCTTTCGAGTATGTGGAGTGTTCAGCGAAGACCA
AAGATGGAGTGAGGAGGCTTTGAAAAGGCCACAAGGGCTGCTCTGCAACGAATCGAGTGAAGAAAA
GACTGGTTGCTTTGTCTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214693 representing NM_001161773
Red=Cloning site Green=Tags(s)

MAAIRKKLVIVGDGACGKTCLLIVFSKDKQFPEVYVPTVFENYVADIEVDGKQVELALWDTAGQEDYDRLR
PLSYDPTDVLVLLCFSIGNPDSFGNIPHKWIPEVKHFPCPNVPIILVGSKKDLRNDFYTIQELAKRQAPVR
PEQQQLANSIGAFEYVECSAKTKDGVRRVFEKATRAALQTNRVKKTGCFVF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001161773

ORF Size: 579 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_001161773.1](#), [NP_001155245.1](#)

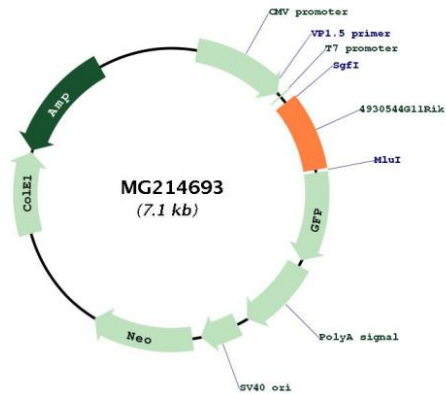
RefSeq Size: 1467 bp

RefSeq ORF: 582 bp

Locus ID: 67653

Cytogenetics: 6 C1

Product images:



Circular map for MG214693