

Product datasheet for **MG203770**

Ankrd7 (BC049731) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ankrd7 (BC049731) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ankrd7
Synonyms: 4930532L20Rik; AV278427
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203770 representing BC049731
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAGTTCTTCCCCTTCAGGGAAAGAGGAAGACAGATGATCCCACAGCCACTCCTCAGAAGTGC
CCATTAGCCTGGCCAAAACCGCACCGCCAGCCTGTCCATAGGTGGAGGATATCACCTTCGAGATAAGCA
CTTAAAGAACTTCATAAAGCTGCTACCATTGGCAATGAGCAGAAGCTGAAGGATTACCTTGAACGCAAG
AAATACAATGTGAATGGCGGGGCAAAGAAGCAGAACACCTTTGCATTTGGCCTGTGCTAATGGATATA
CAAATATTGTCTCTCTTAATTGAGAATCAATGCAAAATTAATGTCCAGGATAGTGAAAACAGAACCCC
ATTGATTAAGGCAGTAGAGTGTCAACAGGAGAGTTGTGCTACGGTCTTCTTCTTTCATGGTGCAGATCCA
AATCTGGTAGATGTTTATAGTAATACGGCTCTCCATTATGCTGTTTGTGGCCAAAATATTTTCATTAGCCA
ATAAATTGCTTCAATATAAAGCCAATCTTGAAGCCAAAATAAGGACGGTCACACTCCGCTTTTACTTGC
TGTTGCTGAAAATAATGAAAATATGGTAAAATCCTTCTGAAGAAAGGAGCAGATGTAAATGCATCAGAT
AAAAACCACAGAACGCCATCATGATTGCTCTGATTGTTGAACCAACAAGTTCTGTAAAACCTTCTTCTC
AGCAAGATACGGACCTAGCCCAAAAGATTTTATGGATTTACAGCTGAGGAATATGCTTCATTTAATGG
CTTTACTATGTATCACCATATAACTGCCAATAATGAGAACAAGAAGAAAACAGAGCAAACAGCTTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203770 representing BC049731
 Red=Cloning site Green=Tags(s)

MKKFFPFRGKRKTDSDSHSSEVPISLAKTAPPSLSIGGGYHLRDKHLKHLKAATIGNEQKLKDYLERK
 KYNVNGRGRSRTPHLACANGYTNIVSLLIENQCKINVQDSENRTPLIKAVECQEQESCATVLLHGDGP
 NLVDVYSNTALHYAVCGQNIISLANKLLQYKANLEAKNKDGHTPLLLAVAENNENMVKFLLKKGADVNASD
 KNHRTAIMIALIVEPTSSVKLLQLQDQDLAHDKIYGFATAEEYASFNGFTMYHHITANNENKKKTEQTAY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC049731

ORF Size: 839 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: [BC049731](#), [AAH49731](#)

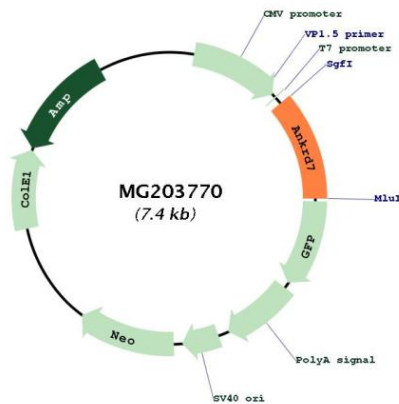
RefSeq Size: 1373 bp

RefSeq ORF: 839 bp

Locus ID: 75196

Cytogenetics: 6 A2

Product images:



Circular map for MG203770