

Product datasheet for **MG213782**

Ankfn1 (NM_172534) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ankfn1 (NM_172534) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ankfn1
Synonyms:	4932411E22Rik; Gm1175; nmf9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG213782 representing NM_172534 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCTCTCTGGCCCTCTCCACACTGCAGCTGTTTCATTTTTGCAGCTACAGAGAGAAATTTATTAGTC
TGTATTGCCGCTTTCTGCTGTTGTGGAGCTGGACTCTCTGAATACCCAACAGTCCCTGAGGGAGGCAAT
CTCAGACACGGAGGTCGAGCTGCCAAACAACGGCACCAGCAAGTGTGGACTTTATTACAGAAATTGAT
GAAGTCTGGCGTGAGATGAGATGGATCATGGATGCTCTACAGTATGCCCGGTACAAGCAACCAGTCTCTG
GCTTGCCCATCACTAAGCTGATAGACTCCTCCAGTGAGCAGAATCTAAAGAAGATCAGTTCTACGTCATC
ACACATAGACTGTCTTCGGTCAACATCCCCATCGCCAGAGATGCACAGAAGAAAGGCAAGTGTGAGTCA
CAGCCCTGCTCGGATGAAGAAGGCTGCTCGGAAGTCTTCTCCCCACAGACAGTACTATGACTCCAGCG
ATGCCCTGAGCCACGAGACCTGGACCTGGTTTACCTGTCATCACATGACATAGCCACGAGGCCCTCAG
CGGCTCAGTGGCAGCGCCCGATGTCCTACAGGTGCATGACATGAAGGCTCCATGGGACCTGGCCAG
GACCCTCAGGGCCAGGGCAGGGTCTGACACCGACCACTCATGTGTGAGTTTCTCCACAGCCTGACCC
TCACGGGCTTGGCACCAAGAACCATGCCAAGATGGTGGCAGGCACACGGCCGCCACTGGGCTTCTTGGG
AAAGCGGAAGCCAGGCAAGCACCAGCACTATGGTGGCTTACAGCCGCCACCACCGCTGGCTGCGCATGCAC
AGCGAGACGCAGTCCCTGTCCTCCGAAGGTGTTTACACCCAGCACCTGTCTCAGGCCCTGCGGCCTGG
CTGAAGATCCTGGGGAGGCAGAGGGGCTGGACCTGTGGTGGATGGGCCCGAGGCTGCCTCTGGCCCA
TGACGCCAGCCTCCCAGAGGAGAGGAGGCTGCCTCCAAGACCAAGGCGGCCCTGCAGAGAGTCTAT
GTGGAACCCTATTCGACACACTCGCAGGCCAGGATCCAAGCTGTGGACCAGTTTGTAGCCCTACCCCTG
CAGGCCGAGCAGCCTCCAAGCTCCACTAGTTCAGAGATGAGTCCAGACCCACATCTCCAGTTTCAGA
AATATTAAGTAGTATGCTT

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG213782 representing NM_172534
 Red=Cloning site Green=Tags(s)

MPLSGPLHTAAVHFCSYREKFISLYCRLSAVELDSLNTQQSLREAISDSEVAAAKQRHQVLDIFIQQID
 EVVREMRWIMDALQYARYKQPVSGLPITKLIDSSSEQNLKKSSTSSHIDCLPSTSPSPEMHRRKAVSES
 QPCSDEEGCSEVFLPTDSYDSSDALSPRDLDLVYLSSHIDIAQQALSGLSGSAPDVLQVHDMKASMGPGQ
 DPQGGQGPDDTHSCVEFLHSLTLTGLAPKNHAKMVAGTRPPLGFLGKRKPGKHQHYGGF SRHHRWLRMH
 SETQSLSLSEGYYTQHL SQACGLAEDPGEAEGPGVVDGPRGLPLAHAASLPEERRSCLQDPRRPLQRVY
 VEPYSDTLAQDPKLWTSLSPTPAGRSSLPSSTSEMSPDPTSPVSEILSSML

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172534

ORF Size: 1209 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_172534.2, NP_766122.1

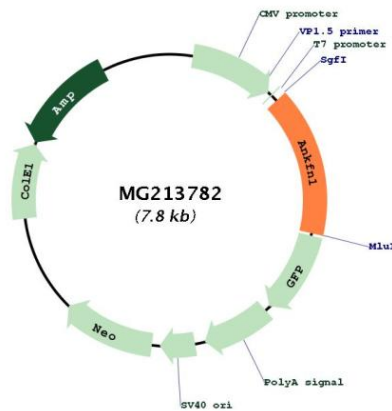
RefSeq Size: 2665 bp

RefSeq ORF: 1212 bp

Locus ID: 382543

Cytogenetics: 11 C

Product images:



Circular map for MG213782