

Product datasheet for **MG210900**

Abcf1 (NM_013854) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcf1 (NM_013854) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Abcf1
Synonyms:	Abc50; AU041969; D17Wsu166e; GCN20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG210900 representing NM_013854
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAAGGGTCCCAAGCAACAGCCGCCCGAGCCGAGTGGATCGGGGACGGCAGGGCAGAGCCCCG
 CGGACAAAGTAGTGAAGAAAGGAAAAAGGACAAGAAGACCAAAAAGACGTTCTTTGAAGAGCTGGCAGT
 AGAGGACAAACAAGCTGGGGAAGAGGAAAAATTGCAGAAGGAGAAGGAGCAGCAACAGCAACAGCAGCAA
 CAGAAGAAAAAGCGAGACACCAGGAAAGGCCGTCGGAAAAAGGATGTGGACGATGATAGTGATGAGAGAG
 TGCTCATGGAGCGACTTAAGCAACTGTCTGTGCCAGCCAGTGTAGGAAAGATGAGGTGCCTGCCCCAT
 ACCCCGAGGACGGAAGAAGGCCAAGGGTGGAAATGTTTTGAAGCCCTGATTCAGGATGACAGTGAGGAG
 GAGGAAGAGGAGGAAGAAACCGTGTCTCAAGCCCGCCAAGCCAGAGAAGAATCGCATCAATAAGCCG
 TGGCTGAGGAACCTCCTGGGCTCAGGAGTAAAAAGGGAAAGGAGGAGAAATCAAAAGGGAAAGCCAAGAG
 TAAACCTGCTGCTGCAGACAGTGAAGGGGAAGAGGAGGAGGACACAGCTAAAGAAAAGGAGCCTCCT
 CAGCAAGGGAAGGACAGAGACAAAAAGGAGGCTGAGCAGGGCTCAGGGGAAGAGAAGGAAGAAAGAAAG
 GGGACTTGAAGGCAAACGATCCCTATGCCAACCTTAGCAAAAAGGAAAAGAAAAGCTAAAGAAAACAGAT
 GGATTATGAACGACAGGTGGAGTCATTGAAAGCAGCTAATGCTGCAGAAAACGACTTCTCTGTGTCCAG
 GCAGAGGTGTCTTCCCGCCAGGCAATGTAGAAAAATGCATCTGACATTAAGTTGGAAAAGTTCAGCATCT
 CCGCCACGGCAAGGAGCTATTCGTCAATGTGTGACCTGTACATAGTAGCCGGCCCGCCCTATGGGCTGGT
 GGGACCAACGGCAAAGGCAAACACCGCTTCTGAAGCACATTGCCAACCGTGCCCTGAGCATCCCCCT
 AACATTGACGTGCTGTGTGCGAGCAGGAGGTGGTGGCTGATGAAACACCAGCCGTGCAAGCTGTCTTTC
 GAGCAGATACCAAGCGACTGAGGTTGCTAGAGGAGGAGAGACGGCTTCAGGGACAGCTGGAGCAGGGGA
 TGACACTGCTGCTGAGAACTAGAAAAAGGTGTATGAGGAACTGCGAGCTACCGGGGCAGCAGCTGCAGAG
 GCCAAGGCACGGCGGATCCTGGCTGGCTTGGGCTTCGACCCTGAGATGCAGAATCGGCCACACAGAAGT
 TCTCTGGGGTTGGAGAATGCGTGTCTCCCTGGCCAGGGCACTGTTTCATGGAGCCAACGCTGCTGATGTT
 GGATGAGCCCACTAACCACTGGACCTCAACGCCGTCTCTGGCTCAATAACTACCTTCAGGGCTGGAGG
 AAGACGTTGCTGATTGTCTCCACGACCAGGGCTTCTGGATGACGTTTGCAGTATCATCCACCTGG
 ACACCCAGCGGCTCCATTACTACAGGGCAATTACATGACCTTCAAGAAGATGTACCAGCAGAAGCAGAA
 AGAGCTGCTAAAGCAGTACGAGAAGCAGGAGAAGAACTGAAGGAGCTGAAGGCTGGGGGCAAGTCCACC
 AAGCAAGCGGAAAAGCAAACAAGGAAGTCTGACTCGAAAACAGCAGAAGTGCCGACGGAAAAACAGG
 ATGAAGAGTCTCAGGAGCCCCCTGAGCTCCTGAAGCGTCCAAGGAGTACACCGTGCGCTTCACCTCCC
 AGACCCCCCGCTCTCAGCCACCTGTGCTGGGCTGCACGGTGTGACGTTTGGCTACGAGGGGCAGAAG
 CCACTCTTTAAGAATCTAGATTTCCGGCATCGACATGGACTCCCGGATTTGCATCGTGGGTCCCAATGGTG
 TGGGGAAGAGCACACTACTCCTGCTGCTGACTGGCAAGCTGACACCGACCAACGGGGAGATGAGGAAGAA
 CCATCGGCTGAAAATCGGCTTCTTTAACAGCAGTACGACAGCAGCTGCACATGGAGGAGACGCCCACT
 GAGTACCTGCAGCGGAGCTTCAATCTGCCCTACCAGGATGCCCGAAGTGCTTGGCCGCTTTGGCCTGG
 AGAGCCACGCCACACCATCCAGATCTGCAAACTCTCCGGTGGCAGAAAGCCCGAGTTGTGTTTGGCGA
 GCTGGCCTGTGGGAGCCTGATGCTCATCTTGGATGAACCAACCAATAACTTGGACATAGAGTCCATC
 GATGCCCTGGGGGAGGCCATCAACGACTACAAGGGGGCTGTGATCGTTGTGACGCCACGATGCGCGCCTCA
 TCACAGAAACCAACTGCCAGTTGTGGTGGTGGAGGAGCAGGGTGTGAGTGTGATCGACGCGCAGTTTGA
 TGACTACAAGCGAGAGGTGTTGGAGGCCCTGGGTGAGGTCATGGTCAACCGTCTCGGGAT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210900 representing NM_013854
 Red=Cloning site Green=Tags(s)

```

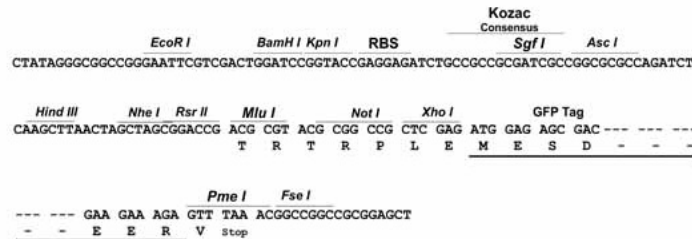
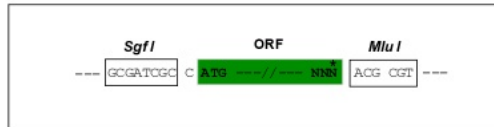
MPKGPKQQPEPEWIGDGEGTSPADKVVKKGKKDKTKKTFEELAVEDKQAGEEEKLQKEKEQQQQQQ
QKKKRDRTRKGRKKDVEDDSDERVLMERLKQLSVPASDEEDEVPAIPRGRKKAKGGNVFEALIQDDSEE
EEEEENRVLKPAKPEKNRINKAVAEPPGLRSKKGKEEKSKGKAKSKPAAADSEGEEDTAKEKEPP
QQGKDRDKKEAEQSGEKEEKEGDLKANDPYANL SKKEKKLKKQMDYERQVESLKAANAENDFSVSQ
AEVSSRQAMLENASDIKLEKFSISAHGKELFVNADLYIVAGRRYGLVGPNGKGTLLKHIANRALSIPP
NIDVLLCEQEVVADETPAVQAVLRADTKRLRLLEEERLQGLEQGGDTAAEKLEKVYEELRATGAAAAE
AKARRILAGLGFPEMQNRPTQKFSGGWRMRVSLARALFMEPTLLMLDEPTNHLDLNAVIWLNLYLQGWR
KTLLIVSHDQGFDDVCTDIHLDTQRLHYRGNMYTFKKMYQQKQKELKQYEQEKKLKELKAGGKST
KQAEKQTKVELTRKQKCRKNQDEESQEPPELLKRPKEYTVRFVFPDPPPLSPPVLGLHGVTFGYEGQK
PLFKNLDFGIDMSRICEVGPNGVGKSTLLLLLTGKLTPTNGEMRKNHRLKIGFFNQYAEQLHMEETPT
EYLQRSFNLPYQDARKCLGRFGLESHAHTIQICKLGGQKARVVFAELACREPDVILDEPTNNDIESI
DALGEAINDYKGAIVVSHDARLITETNCQLWVVEEQGVSQIDGDFDDYKREVLEALGEVMVNRPRD
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



- ACCN:** NM_013854
- ORF Size:** 2511 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_013854.1](#), [NP_038882.1](#)

RefSeq Size: 3207 bp

RefSeq ORF: 2514 bp

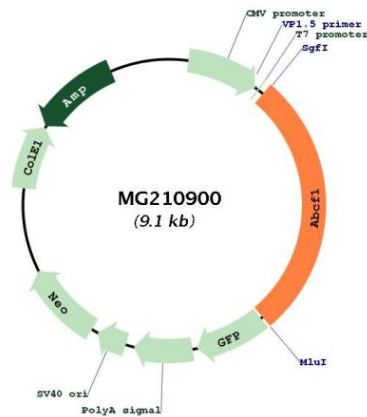
Locus ID: 224742

UniProt ID: [Q6P542](#)

Cytogenetics: 17 18.8 cM

Gene Summary: Required for efficient Cap- and IRES-mediated mRNA translation initiation. Not involved in the ribosome biogenesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210900