

Product datasheet for **MG210114**

2700050L05Rik (BC046235) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2700050L05Rik (BC046235) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	2700050L05Rik
Synonyms:	MGC27934, MGC58090
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210114 representing BC046235
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGACAGTGATGAGAATGGATCCTACAGCACCAGCTCTGACCCAGCAGATGACAACAAGGCAGTGG
 CTATCATTAAAGTCTGTTGGAGAAGTGTCTAGTACCGGAAAAATACAAGTCGATTTCATCAGATCAGACCCAG
 TTGTGCATTTCCCGTTTCCCATGACACAGAAGAGCGCTGTCTGACTCGTCCTTAGCTATGTGTTGGAGGGT
 TAAAAATCTGTAGATAGTAGCATCAAAAAAGAAAGCGACCTTCCAGCAGCTGACCCAGCACTCCTATCC
 CCTTAAAAATGAAGATGAATCCACAAGGGGTGGCCCTGAGGGGCTGGAGAAGCAGATGGCCTTGTTCCT
 GGACAAAATGGGCTCCATTCAGAAGGGCAGTTGTTCTGGGCAGTCTGGAATGACCCCTGGTTCCTGGCAA
 CATAAAATGAACTTCAGCTGATTCTCAAGTCATCAAAGGCCTACTACATTTTGCAGATGCTGCCATGA
 GTCTTCAGAAGTATGGAAGAGCATTGAGATACATTAAGCTAGCTCTACAGAGCCATGATACTTACTGCTG
 CCTCTGCACCAACATGCTTTCTGAAGTGTCTGTTTCTCTCTCAATACCTGACACTTTGGCGGCACATC
 CAACTCATGCTGGCCAGAAATGCAAATAACCGAGCAGCACACCTCGAGGAGTTTAAATACCAAACAAAAG
 AAGACCAGGAGATCCTCCACAGTCTCCACAGAGAGTCCAGCTGCCAGGGATTTGCATGGGCAACAGATCT
 ATCTACAGACTTAGAAAAGTCAACTCTCAGTTAGTTGATAATGTTATGAGGCTGCTAATGAAATCTTGCAA
 TTCAGCGACTTAAAAAGTCAGAAATCCAGAACACTATGTACAGGTGTTGAAGAGAAATGGGAAACATTAGAA
 ATGAAATCGGTGTATTCTACATGAATCAGGCTGCTGCACTGCAGGGTGAAGAGAGTGTGAGCAAACTGTG
 GTCTGCTGCAGAGCAACAATTGTGGAAAAAAGCTTTTCTGTTTGGAAAAGGGGATTACAACCTTGTAG
 TCGATTGATGATGCTACAAATGCTGCCCTTCTGCTGTCAACACGGGAAGACTCATGCGGGTCTGTGCGC
 AGGCGCACTGCGGTGCAGAGGATGAGTTCAAACGGGAGTTCTCTCCAGAGGAGGGCTTGTATTACAGCAA
 GGCCGTTGATTACTATTTGAAGGCTCTGAGGTCATTGGGAACGAGAGACATGCACCCAATTGTTTGGGAT
 TCTGTGAACTGGGAATTGTCCACTACATACTTACCATGGCGACTCTGCAGCAAGATTATGCTCCATTAT
 CCAGAAAAGCTCAGGAGCAGATTGAGAAAAGAGTGAAGGAGGCTATGATGAAGTCCCTGAAGCACTGCGA
 TGTTGACTCAGCAACTGCTCGGCAGCCCTCTGTCTAGTACCGAGCTGCGACCATCCATCACAGGCTGGCT
 TCCATGTACCACAGCTGTCTGAGGAACAGGTTGGTGATGAGCATCTTAGGAAGCAGCACCGAGTGTCTGG
 CAGATCTCCACTACAGCAAAGCTGCGAAGCTCTTTCAGCTTCTCAAAGACGCTCCCTGTGAACTGCTTAG
 AGTGCAGCTAGAAAGGGTGGCATTTCAGAAATTCAGATGAGCAGTCAGAAATAGCAATGTTGGAAAGTTA
 AAAACATTATCTGGGGCACTTGATATCATGGTGAGAACGGAGCATGCGTTCAGCTCATCCGGAAGGAGC
 TTGTAGAGGAATGTGACCAGCCCAAGAATGATGAGGCTACACCGGCTGCTGATTCTTACCTAATCTTAA
 TCGAGAAGAAGTATCAAACTCCTTAGTATATTTGAATCTCGTCTGTCATTCTTCTCTCAATCCATC
 AAAGTATGTCGTATCTAAAAGGAAAATGAGCAGTAACGCTGAAGAAGACATAGTCTCCAAACCAACA
 AGCAGATTTACTCCAGCTTTTGTAGAGCGACTGCCAACAGAACTCAACTCTGCTGGAAAGAATTGAAGT
 CGTCATCTGTTTGTGGAGCAGCTTGCCTCCGGTAGCAGCCGATCGAGTGGCAGTGTGTCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210114 representing BC046235
 Red=Cloning site Green=Tags(s)

MADSDENGSYSTSSDPADDNKAVAIKISVGEISVPEKYKSIHQIRPSCAFPVCHDTEERCRLVLSYVLEG
 LKSVDSIIKESDLPAADPSTPIPLKYEDSTRGGPEGLEKQMALFLDKMGSIQKGCSCGQSGMTPGWSWQ
 HKMKLQLILKSSKAYYILSDAAMSLQKYGRALRYIKLALQSHDTCCLCTNMLSEVLLFLSQYLTLCGDI
 QLMMLAQNANRAAHLLEEFNYQTKEDQEILHSLHRESSCQGFATDLSTDLESQLSVSCKCYEAANEILQ
 FSDLKSQNPYHYVQLKRMGNIRNEIGVFYMNQAAALQGERVVSKSVSAAEQQLWKKSFSCFEKGIHNF
 SIDDATNAALLCNTGRLMRVCAQAHCGADEFKREFSPEEGLYYSKAVDYLLKALRSLGTRDMHPVWV
 SVNWELSTTYFTMATLQQDYAPLSRKAQEIEKEVSEAMMKSCLKHCDVDSATARQPLCQYRAATIHHR
 LA SMYHSCLRNQVGDHLRQHRVADLHYSKAAKLFQLLDAPCELLRVQLERVAFAEFQMSSQNSNVGKL
 KTLGALDIMVRTEHAFQLIRKELVEECDQPKNDEATPAADSSPNLNREEVIKLLSIFESRSLFLLLSI
 KLMSSSKRMSSNAEEDIVLQTNKQIYSQLLRATANRSTLLERIEVVICLLEQLASGSSRSSGSAVP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC046235

ORF Size: 2096 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: [BC046235](#), [AAH46235](#)

RefSeq Size: 2870 bp

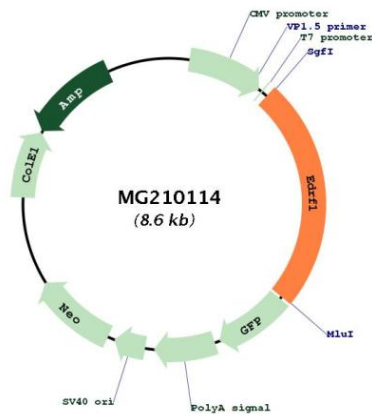
RefSeq ORF: 2096 bp

Locus ID: 214764

Cytogenetics: 7 F3

Gene Summary: Transcription factor involved in erythroid differentiation. Involved in transcriptional activation of the globin gene (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210114