

## Product datasheet for **MR210114**

### 2700050L05Rik (BC046235) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	2700050L05Rik (BC046235) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2700050L05Rik
Synonyms:	MGC27934, MGC58090
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210114 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCAGACAGTGATGAGAATGGATCCTACAGCACCAGCTCTGACCCAGCAGATGACAACAAGGCAGTGG  
CTATCATTAAAGTCTGTTGGAGAAGTGTCTAGTACCGGAAAAATACAAGTCGATTTCATCAGATCAGACCCAG  
TTGTGCATTTCCCGTTTCCCATGACACAGAAGAGCGCTGTCTGACTCGTCCTTAGCTATGTGTTGGAGGGT  
TAAAAATCTGTAGATAGTAGCATCAAAAAAGAAAGCGACCTTCCAGCAGCTGACCCAGCACTCCTATCC  
CCTTAAAAATGAAGATGAATCCACAAGGGGTGGCCCTGAGGGGCTGGAGAAGCAGATGGCCTTGTTCCT  
GGACAAAATGGGCTCCATTCAGAAGGGCAGTTGTTCTGGGCAGTCTGGAATGACCCCTGGTTCCTGGCAA  
CATAAAATGAACTTCAGCTGATTCTCAAGTCATCAAAGGCCTACTACATTTTGCAGATGCTGCCATGA  
GTCTTCAGAAGTATGGAAGAGCATTGAGATACATTAAGCTAGCTCTACAGAGCCATGATACTTACTGCTG  
CCTCTGCACCAACATGCTTTCTGAAGTGTCTGTTTCTCTCTCAATACCTGACACTTTGCGGGCAGATC  
CAACTCATGCTGGCCAGAAATGCAAATAACCGAGCAGCACACCTCGAGGAGTTTAAATACCAAACAAAAG  
AAGACCAGGAGATCCTCCACAGTCTCCACAGAGAGTCCAGCTGCCAGGGATTTGCATGGGCAACAGATCT  
ATCTACAGACTTAGAAAAGTCAACTCTCAGTTAGTTGATAATGTTATGAGGCTGCTAATGAAATCTTGCAA  
TTCAGCGACTTAAAAAGTCAGAAATCCAGAACACTATGTACAGGTGTTGAAGAGAAATGGGAAACATTAGAA  
ATGAAATCGGTGTATTCTACATGAATCAGGCTGCTGCACTGCAGGGTGAAGAGAGTGTGAGCAAACTGTG  
GTCTGCTGCAGAGCAACAATTGTGGAAAAAAGCTTTTCTGTTTGGAAAAGGGGATTACAACCTTGTAG  
TCGATTGATGATGCTACAAATGCTGCCCTTCTGCTGTGCAACACGGGAAGACTCATGCGGGTCTGTGCGC  
AGGCGCACTGCGGTGCAGAGGATGAGTTCAAACGGGAGTTCTCTCCAGAGGAGGGCTTGTATTACAGCAA  
GGCCGTTGATTACTATTTGAAGGCTCTGAGGTCATTGGGAACGAGAGACATGCACCCAATTGTTTGGGAT  
TCTGTGAACTGGGAATTGTCCACTACATACTTACCATGGCGACTCTGCAGCAAGATTATGCTCCATTAT  
CCAGAAAAGCTCAGGAGCAGATTGAGAAAAGAGTGAAGGAGGCTATGATGAAGTCCCTGAAGCACTGCGA  
TGTTGACTCAGCAACTGCTCGGCAGCCCTCTGTCTAGTACCGAGCTGCGACCATCCATCACAGGCTGGCT  
TCCATGTACCACAGCTGTCTGAGGAACCAGGTTGGTGTGAGCATCTTAGGAAGCAGCACCGAGTGTCTGG  
CAGATCTCCACTACAGCAAAGCTGCGAAGCTTTTCTGCTTCTCAAAGACGCTCCCTGTGAACTGCTTAG  
AGTGCAGCTAGAAAGGGTGGCATTTCAGAAATTCAGATGAGCAGTCAGAAATAGCAATGTTGGAAAGTTA  
AAAACATTATCTGGGCACTTGATATCATGGTGAGAACGGAGCATGCGTTCAGCTCATCCGGAAGGAGC  
TTGTAGAGGAATGTGACCAGCCCAAGAATGATGAGGCTACACCGGCTGCTGATTCTTACCTAATCTTAA  
TCGAGAAGAAGTATCAAACTCCTTAGTATATTTGAATCTCGTCTGTCATTCTTCTCCTCAATCCATC  
AACTGATGTCGTATCTAAAAGGAAAATGAGCAGTAACGCTGAAGAAGACATAGTCTCCAAAACCAACA  
AGCAGATTTACTCCAGCTTTTGTAGAGCGACTGCCAACAGAACTCAACTCTGCTGGAAAGAATTGAAGT  
CGTCATCTGTTTGTGAGCAGCTTGCCTCCGGTAGCAGCCGATCGAGTGGCAGTGTCTGTCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210114 protein sequence  
Red=Cloning site Green=Tags(s)

MADSDENGSYSTSSDPADDNKAVAIKISVGEISVPEKYKSIHQIRPSCAFVCHDTEERCRLVLSYVLEG  
 LKSVDSIIKESDLPAADPSTPIPLKYEDSTRGGPEGLEKQMALFLDKMGSIQKGCSCGQSGMTPGWSQ  
 HKMKLQLILKSSKAYYILSDAAMSLQKYGRALRYIKLALQSHDTYCCCTNMLSEVLLFLSQYLTLCGDI  
 QLMMLAQNANNRAAHL EEFNYQTKEDQEILHSLHRESSCQGF AWATDLSTDLESQLSVSCCKYEAA NEILQ  
 FSDLKSQNP EHYVQVLKRMGNIRNEIGVFYMNQAAALQGERVVS KSVSAEQQLWKKSFSCFEKGIHNFE  
 SIDDATNAALLCNTGRLMRVCAQAHCGADEFKREFSPEEGLYYSKAVDYLLKALRSLGTRDMHPIVWD  
 SVNWELSTTYFTMATLQQDYAPLSRKAQEIEKEVSEAMMKS LKHCDVDSATARQPLCQYRAATIHHRLA  
 SMYHSCLRNQVGDEHLRQHRV LADLHYSKAAKLFQLLKDAPCELLRVQLERVAFAEFQMSSQNSVNGKL  
 KTL SGALDIMVRTEHAFQLIRKELVEECDQPKNDEATPAADSSPNLNREEVIKLLSIFESRLSFLLLQSI  
 KLMSSSKRKMSSNAEEDIVLQTNKQIYSQLLRATANRNSTLLERIEVVICLLEQLASGSSRSSGSAVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC046235

**ORF Size:** 2094 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

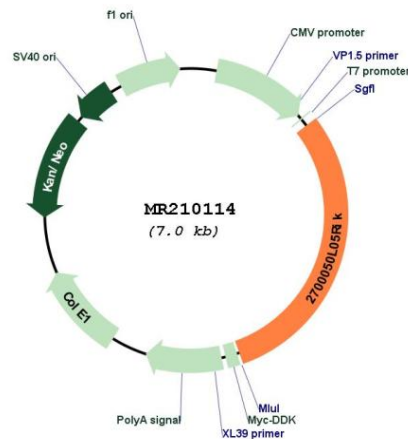
**Locus ID:** 214764

**Cytogenetics:** 7 F3

**MW:** 78.4 kDa

**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 MR210114