

## Product datasheet for **RN214949**

### **Klf4 (NM\_053713) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Klf4 (NM_053713) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Klf4
Synonyms:	GKLF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214949 representing NM\_053713  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGCAGCCACCTGGCGAGTCTGACATGGCTGTGACGACGCTCTGCTCCCGTCTTCTCCACGTTCCG  
 CGTCCGGCCCGCGGGAAGGGAGAAGACTGCGTCCAGCAGGTGCCCGACTAACCGTTGGCGAGAGGA  
 ACTCTCTCACATGAAGCGACTTCCCCACTTCCCGGCCGCCCTACGACCTGGCGGCACGGTGGCCACA  
 GACCTGGAAAGTGGTGGAGCTGGTGCAGCTTGCAGCAGTAACAACCCGGCCCTACCCGGAGGGAGACCG  
 AGGAGTTCAACGATCTCCTGGACCTAGACTTTATCCTTTCCAACCTCGCTATCCCACCAGGAATCGGTGGC  
 CGCCACCGTGACCACCTCGGCGTCAGCTTCATCCTCGTCTTCCCGAGCTAGCAGCGGCCCTGCCAGCGCG  
 CCCTCCACCTGCAGCTTCAGCTATCCGATCCGGGCCGGGGTACCCGGGCGTGGCTGCGGGCAACACAG  
 GTGGAGGGCTCCTCTACAGCCGAGAATCTGCGCCACCTCCACGGCCCCCTTCAACCTGGCGGACATCAA  
 TGACGTGAGCCCCCTCGGCGGCTTCGTGGCTGAGCTCCTGCGGCCGGAGTTGGACCCAGTATACATTCCG  
 CCACAGCAGCCTACGCCGAGGTGGCGGGCTGATGGCAAGTTTGTGCTGAAGGCGTCTCTGAGCACCC  
 CTGGCAGCGAGTACACCAGCCCTTCGGTCATCAGTGTAGCAAAGGAAGCCAGACGGCAGCCACCCCTGT  
 GGTAGTGGCGCCCTACAGCGGTGGCCCGCCGCGTATGTGCCCCAAGATTAAGCAAGAGGCGCTCCCGTCC  
 TGCACGGTCAGCCGGTCCCTAGAGGCCACTTGAGCGCTGGACCCAGCTCAGCAACGGCCACAGGCCCA  
 ACACACACGACTTCCCCCTGGGGCGCAGCTCCCACCAGGACTACCCCTACACTGAGTCCCAGGAACT  
 GCTGAACAGCAGGACTGTCACCCTGGCCTGCCTTCCCCAGGATCCATCCCATCCGGGGCCAGC  
 TACCCTCTTCTGCCAGACCAGATGCAGTCGCAAGTCCCCTCTCTCCATTATCAAGAGCTCATGCCAC  
 CGGGACTTGTGACTATGCAGGCTGTGGCAAAACCTATACGAAGAGTTCTCATCTCAAGGCACACCTG  
 CGAACTCACACAGGCGAGAAACCTTACCACTGTGACTGGGACGGCTGTGGGTGGAATTCGCCCGCTCAG  
 ATGAACTGACCAGGCACTACCGCAAACACCGGGCACCGGCCCTTTCAGTGCCAGAAGTGCACAGGGC  
 CTTTTCCAGGTCGGACCCTTGCCTTACACATGAAGAGGCACCTTT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_053713
- Insert Size:** 1449 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_053713.1](#), [NP\\_446165.1](#)  
RefSeq Size: 2393 bp  
RefSeq ORF: 1449 bp  
Locus ID: 114505  
Cytogenetics: 5q24  
Gene Summary: a transcription factor that works with Sp1 to activate the Laminin gamma1 chain gene [RGD, Feb 2006]