

## Product datasheet for **RN204826**

### **Klf10 (NM\_031135) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Klf10 (NM_031135) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Klf10
Synonyms:	Tieg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204826 representing NM\_031135  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTTAACCTTCGGCGTTCTCTCCAGCAAGCTTCGGAGGGGAAAATGGAACATAATTTCTGAAAAGTCCA  
 AAGAGGGAGCACATCCCTGGGACAAAGCTGAACAGAGTACTTTGAAGCTGTGGAAGCGCTCATGTCCAT  
 GAGCTGCGACTGGAAGTCTCACTTCAAGAAATACCTTGAAAACAGGCCTGTCACACCAGTGTCTGATACC  
 TCAGAGGAAGACAGTTTCTCCAGGGACGCTGACCTTCAGACCGTCCCAGCATTCTGTTTGACTCCAC  
 CTTACAGCCCCTCTGACTTCGAACCCTCGCAGGGGTCAAATCTGACGGCACCCAGCGCCACCTACTGGTCA  
 CTTAGTGCCTCCGATGCTGCCAAGCCTCCCAGCATCGCTCCTTTAAAGAGGAGGAAAAGAGCCCA  
 TTAGTGCCTCCCTCCCTAAGGCTCAAGCCACCAGTGCATCCGTACACAGCTGATGCCAACTCT  
 GTAACCACCAGTCTGCCCTGTGAAAGCAGCTAGCATCCTCAACTACCAGGACAATCTTTCCGGAGAAG  
 AACCCACATAAATGTCGAGGCTACTCGAAAGAACATACCTGTGTGCTGTGTCCACAAACAGACCCAAG  
 CCTGAGCCAGCACAGCGCGCAATGGCGCTGAGAAGGCCGGCACTGCGCGTATGACTTTGCTGTGCCTT  
 CCTCAGAGACAGTCATCTGTAGGTCTTCTCAGCCAGCTCCCACGTCCCAGTACAGAAGTCACTACTGAT  
 GTCTTACCTACAGTGTCCACTGGGGAGTGCCACCCTTGCTGTCTGCTGCTGTCACCAACAGACCCAAG  
 GCAAACAACCTCTCTGTTACCACAGTTGTCCCAGCAGTCCGCCAGCCAGCCACCCGCTGTCTGCTCAC  
 CCGTGTGTTTCATGGGCACTCAGGTGCCAAGGGCACGGTCATGTTTGTGGTACCCAGCCCGTTGTACA  
 GAGCCCAAAGCCTCCAGTGGTGAAGCCCAATGGCACCAGACTGTCTCCATTGCCCTGCGCCTGGATT  
 TCTCCTCAGCAGCAAGGGTACTCCCCAGATTGATTTCGTCAGAGTAAGAAGTACATCTGTAGCCACC  
 CAGGATGTGGCAAGACTTACTTTAAAAGTCCCATCTGAAGGCCACGTGAGAACACACAGGGGAAAA  
 ACCTTTCAGCTGCAGCTGGAAGGCTGTGAAAGGAGTTTGTCTGTTCCGATGAAGTGTCCAGACACCGG  
 CGGACACACAGGTGAGAAGAAATTTGCTGTCCATGTGTGACCGTCCGTTTCATGAGAAGTGACCATT  
 TAACCAACATGCCCGCGCACCTATCAGCCAAGAAGCTGCCAACTGGCAAATGGAAGTGAAGCAAGT  
 AAATGACATCGCTCTGCCTCCGGCCACAGCGTCCGCACAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_031135

**Insert Size:** 1443 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\\_031135.2](#), [NP\\_112397.1](#)  
RefSeq Size: 2962 bp  
RefSeq ORF: 1443 bp  
Locus ID: 81813  
UniProt ID: [O08876](#)  
Cytogenetics: 7q22  
Gene Summary: Kruppel-like zinc finger transcription factor; involved in TGFbeta-mediated signaling cascades to the regulation of pancreatic epithelial cell growth [RGD, Feb 2006]