

## Product datasheet for **SC116618**

### **KLF10 (NM\_005655) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KLF10 (NM_005655) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLF10
Synonyms:	EGR-alpha; EGRA; TIEG; TIEG1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC116618 sequence for NM\_005655 edited (data generated by NextGen Sequencing)

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ATGCTCAACTTCGGTGCCTCTCTCCAGCAGACTGCGGAGGAAAGAATGGAAATGATTTCT
GAAAGGCCAAAAGAGAGTATGTATTCTTGGAAACAAAAGTCAGAGAAAAGTGATTTTGAA
GCTGTAGAAGCACTTATGTCAATGAGCTGCAGTTGGAAGTCTGATTTTAAGAAATACGTT
GAAAACAGACCTGTTACACCAGTATCTGATTTGTCAGAGGAAGAGAATCTGCTCCGGGA
ACACCTGATTTTCATACAATCCCAGCATTGTTGTTGACTCCACCTTACAGTCTTCTGAC
TTTGAACCCTCTCAAGTGTCAAATCTGATGGCACCAGCGCCATCTACTGTACACTTCAAG
TCACTCTCAGATACTGCCAAACCTCACATTGCCGCACCTTTCAAAGAGGAAGAAAAGAGC
CCAGTATCTGCCCCAAACTCCCAAGCTCAGGCAACAAGTGTGATTTCGTACACAGCT
GATGCCAGCTATGTAACCACCAGACCTGCCCAATGAAAGCAGCCAGCATCCTCAACTAT
CAGAACAATTCTTTAGAAAGAAGAACCCACCTAAATGTTGAGGCTGCAAGAAAGAACATA
CCATGTGCCGCTGTGTACCAAACAGATCCAAATGTGAGAGAAACACAGTGGCAGATGTT
GATGAGAAAGCAAGTGTGCACCTTATGACTTTTCTGTGCCTTCTCAGAGACGGTCATC
TGCAGGTCTCAGCCAGCCCTGTGTCCCACAACAGAAGTCAGTGTGGTCTCTCCACCT
GCAGTATCTGCAGGGGAGTGCCACCTATGCCGGTCATCTGCCAGATGGTTCCCTTCTCT
GCCAACAAACCCTGTTGTGACAACAGTCGTTCCCAGCACTCTCCAGCCAGCCACCAGCC
GTTTGCCCCCTGTTGTGTTTCATGGGCACACAAGTCCCAAGGGCGTGTGATGTTGTG
GTACCCAGCCCGTGTGTCAGAGTTCAAAGCCTCCGGTGGTGAGCCCGAATGGCACCAGA
CTCTCTCCATTGCCCTGTCTTGGGTTTTCCCTTCCAGCAGAAAAGTCACTCCTCAG
ATTGATTCATCAAGGATAAGGAGTCACATCTGTAGCCACCAGGATGTGGCAAGACATAC
TTTAAAAGTTCCCATCTGAAGGCCACACGAGGACGCACACAGGAGAAAAGCCTTTCAGC
TGTAGCTGGAAAGGTTGTGAAAGGAGTTTGCCCGTTCTGATGAACTGTCCAGACACAGG
CGAACCCACACGGGTGAGAAGAAATTTGCGTGCCCATGTGTGACCGGGGTTTCATGAGG
AGTGACCATTTGACCAAGCATGCCCGGCCATCTATCAGCCAAGAAGCTACAAACTGG
CAGATGGAAGTGAGCAAGCTAAATGACATTGCTTACCTCCAACCCTGCTCCACACAG
TGA
    
```

Clone variation with respect to NM\_005655.2

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_005655 unedited

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AATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCTGTGGCCAAGCAGCCAGC
AGCCTAGCAGCCAGTCAGCTTGGCCGGCGGCCAAGCAGCCAACCATGCTCAACTTCGG
TGCCTCTCTCCAGCAGACTGCGGAGGAAAGAATGGAAATGATTTCTGAAAGGCCAAAAGA
GAGTATGTATTCTGGAACAAAAGTGCAGAGAAAAGTATTTTGAAGCTGTAGAAGCACT
TATGTCAATGAGCTGCAGTTGGAAGTCTGATTTTAAGAAATACGTTGAAAACAGACCTGT
TACACCAGTATCTGATTTGTCAGAGGAAGAGAATCTGCTTCCGGGAACACCTGATTTTCA
TACAATCCCAGCATTTTGTGTTGACTCCACCTTACAGTCTTCTGACTTTGAACCCTCTCA
AGTGTCAAATCTGATGGCACCAGCGCCATCTACTGTACACTTCAAGTCACTCTCAGATA
TGCCAAACCTCACATTGCCGCACCTTTCAAAGAGGAAGAAAAGAGCCAGTATCTGCCCC
CAAACCTCCCAAAGCTCAGGCAACAAGTGTGATTCGTATACAGCTGATGCCAGCTATG
TAACCACCAGACCTGCCAATGAAAGCAGCCAGCATCCTCAACTATCAGAACAATTCTTT
TAGAAGAAGAACCACCTAAATGTTGAGGCTGCAAGAAAGAACATACCATGTGCCNGCTG
TGTACCAAACAGATCCAAATGTGAGAGAAACACAGTGGCAGATGTTGATGAGAAAGCA
GTGCTGCACTTTATGACTNNNTTCTGTGCCTTCTCAGAGACGGTCATCTGCAGGTCTCAG
CCAGNCCCTGTGTNCCCACAGAAGTCAGTGGNTGGTCTTCTACTGCAGATCGCAAGG
GGAAGTGCCACTATGCCGTCATTGNCAGAAGGGTCCCTTCTGCCACACCC
    
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RefSeq Size:	2899 bp
RefSeq ORF:	1443 bp
Locus ID:	7071
UniProt ID:	<a href="#">Q13118</a>
Cytogenetics:	8q22.3
Domains:	zf-C2H2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a member of a family of proteins that feature C2H2-type zinc finger domains. The encoded protein is a transcriptional repressor that acts as an effector of transforming growth factor beta signaling. Activity of this protein may inhibit the growth of cancers, particularly pancreatic cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a).</p>