

Product datasheet for **SC217204**

RIZ1 (PRDM2) (NM_012231) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RIZ1 (PRDM2) (NM_012231) Human 3' UTR Clone
Symbol:	RIZ1
Synonyms:	HUMHOXY1; KMT8; KMT8A; MTB-ZF; RIZ; RIZ1; RIZ2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_012231
Insert Size:	1974 bp



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Insert Sequence: >SC217204 3'UTR clone of NM_012231
The sequence shown below is from the reference sequence of NM_012231. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CAGTTCCAGGGACCATTCTTCAAAGAGAGACACTCTGGTGCTCCCTGACAGCACCTGAAGTGACCTG
GAATCAGTGAAGCCAAAGGGACTGGCAGTCTGCCCTGCAGGGAGTACCGACCTATCCAGTTGTGTGAG
GCTGCGAGAGAAAGGGAGTGCATGTGCGCGCTGCATGTGTGCGTGTGTGTTACAGTGTCTCGT
GCGGGCGCGTGAGTGGTCTTCAAACGAGGGTCCCGATCCCGGGGCGGCAGGAAGGGGGCCGACTCCAC
GCTGTCCTTTGGGATGATACTTGGATGCAGCTCTTGGGACCGTGTCTGCAGCCAGCCTTCTGTTGG
GGTGGGGCCTCTCTACTATGCAATTTTCAAGAGCTCCTTGACCCTGCTTTTGTCTTCTGAGTTGTC
TTTTGCCATTATGGGACTTTGGTTTGACCCAGGGGTGAGCCTTAGGAAGGCCTTCAGGAGGAGGCCGA
GTTCCCTTCAGTACCACCCCTCTCTCCACCTTCCCTCTCCCGCAACATCTCTGGGAATCAACAGC
ATATTGACACGTTGGAGCCGAGCCTGAACATGCCCTCGGCCCGCAGCACATGGAAACCCCTTCTCTTG
CCTAAGGTGTCTGAGTTCTGGCTCTTGAGGCATTTCCAGACTTGAAATTCTCATCAGTCCATTGCTCT
TGAGTCTTTGCAGAGAACCTCAGATCAGGTGCACCTGGGAGAAAGACTTTGTCCCACTTACAGATCTA
TCTCTCCCTTGGGAAGGGCAGGGAATGGGGACGGTGTATGGAGGGGAGGGATCTCTGCGCCCTTCAT
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AACAAATTGGGAATGAAAAAAATGGGAAGATTAAGAGCACAGGGGGAAGAAGAAGAGATTTCCGA
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AAACGGGTGAGCTGAGCTTGGCGTTTGGACCCAGTTTCAGTGAGGTTCTTGGGTTTTGTGCCTTTGGGC
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TTCAGGGCTACTACGGTTGATCTTGCAACTCTGTAATATGTATGTAGACACTTTTAAAGCACGTATT
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CGGCTGCAGTATGGGATCTGATAAGGATCTAGGAGAAGGGTCTCATGCGGACCTCACATGGGCAGAAA
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AATTTTCATAAACTGGAATCCTTTCACCGCTCCTACAGCTAACCCCTCACAAGCATGAAGTGCTGTGGC
TGTTCTTATCCTAATGATGCGTTTTGTCCCGTAAATGTTAACTCATGAAGCATACCCGGCCTCT
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GCAGCCCATGGTGAGCTCTGGGAAGTGTGGTTGAGGCCTTGGGGTCACTCCTTTTTTGCATGTGCAAT
GTGCTGGTCACCTTCAACGCTCCAGACGGTCAGGAAAAGTGTCCAATCATGAAAAGGGGGATGAT
TTTGTAAGAGTGGCATTCTCTGGTCAGTGGTGGTCTTCAAGACGACAGCTCTGTATCTGCCATGTGAAG
AGAATTAACAATAAAAGTGTGAAGAGCGATTGTGAGGAACAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_012231.5](#)

Summary:

This tumor suppressor gene is a member of a nuclear histone/protein methyltransferase superfamily. It encodes a zinc finger protein that can bind to retinoblastoma protein, estrogen receptor, and the TPA-responsive element (MTE) of the heme-oxygenase-1 gene. Although the functions of this protein have not been fully characterized, it may (1) play a role in transcriptional regulation during neuronal differentiation and pathogenesis of retinoblastoma, (2) act as a transcriptional activator of the heme-oxygenase-1 gene, and (3) be a specific effector of estrogen action. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

Locus ID:

7799

MW:

72.6