

Product datasheet for **SC214053**

Mel18 (PCGF2) (NM_007144) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Mel18 (PCGF2) (NM_007144) Human 3' UTR Clone
Symbol:	Mel18
Synonyms:	MEL-18; RNF110; TPFS; ZNF144
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_007144
Insert Size:	1355 bp



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Insert Sequence:	>SC214053 3'UTR clone of NM_007144 The sequence shown below is from the reference sequence of NM_007144. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site
	<pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AACGGCGCTCCCGTGCCCCCTTAACCTGAGGCCAGGGACCCTCTCCCTTCTCCAGCCAAGCCTCTCC ACTCCTTCCACTTTTTCTGGGCCCTTTTTTCCACCTCTTCTACTTTCCCAAGCTCTTCCACCTTGGGG GTGGGGGGCGGGTTTATAAATAAATATATATATATGTACATAGGAAAAACCAATATACATACTTA TTTTCTATGGACCAACCAGATTAATTTAAATGCCACAGGAAACAACTTTATGTGTGTGTATGTGTG GAAATGGTGTTCATTTTTTTTGGGGGGGTCTGTGTAATTTGCTGTTTTGGGGTGCCTGGAGATG AACTGGATGGGCACTGGAGTCTCAATAAAGCTCTGCACCATCCTCGCTGTTTCCCAAGGCAGGTGGTG TGTTGGGGGCCCTTCAGACCCAAAGCTTTAGGCATGATTCCAAGTGGCTGCATATAGGAGTCAGTTAG AATCGTTTCTTCTCTCCCGTTTCTCTCCCATCTTGGCTGCTGCTGCTCTGACCAAGTGGCCGCC CCCCACGTGTTGAATGTCCAGAAATTGCTAAGAACAGTGCCTTTTACAATGCAGTTTATCCCTGGTT CTGAGGAGCAAGTGCAGGTGGAGGTGGCACCTGCATCACCTCCTCCTCTTGCAAGTGGAACTTTGTGC AAAGAATAGATAGTTCTGCCTCTTTTTTTTTTCTGTGTGTGTGGCCTTTGCATCATTTATCTTGT GGAAAAGAAGATTCAGGCCCTGAGAGGTCTCAGCTCTTGAGGAGGGCTAAGGCTTTAGCATTGTGAAG CGCTGCACCCCCACCAACCTTACCCTCACCGGGGAACCTCACTAGCAGGACTGGTGGTGGAGTCTCAC CTGGGGCTAGAGTGGAAGTGGGGTGGGTTAACCTCACACAAGCACAGATCCCAGACTTTGCCAGAGG CAAACAGCCTTCCAATTGCCCTCCACCCCAAGCTGAGGCCCGGTACCTGGTCAGGACAGAGCAACTG CATCTAAAAGCACAGAAGACAGAAACCTGTAAGCTCTGACCCCAACCCCAACCTTGAGAGGTCAGCG GACCACCTCCTTAGGGACAGACCCTGGCAGGTGCTGCCACCGAGATTTCTCAAGTGTGCATAGATC TGAGAGGAGTCGGGAGTCGAGACTCGAGATTCCATCATAGCGTAGGTGTGTGGGGTTGGGAGCCCCCTG ATGGGCTGTCTGTGTTGCACCTTGCTGTGTCTGAGGTCTGTGACTGTACCCTCCTTTGCCCTGG GACATCTGTATCTTGGCTTTGTAATAAATGCTGCATACTTTC ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
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:	<u>NM_007144.3</u>

Summary:

The protein encoded by this gene contains a RING finger motif and is similar to the polycomb group (PcG) gene products. PcG gene products form complexes via protein-protein interaction and maintain the transcription repression of genes involved in embryogenesis, cell cycles, and tumorigenesis. This protein was shown to act as a negative regulator of transcription and has tumor suppressor activity. The expression of this gene was detected in various tumor cells, but is limited in neural organs in normal tissues. Knockout studies in mice suggested that this protein may negatively regulate the expression of different cytokines, chemokines, and chemokine receptors, and thus plays an important role in lymphocyte differentiation and migration, as well as in immune responses. [provided by RefSeq, Jul 2008]

Locus ID:

7703

MW:

50.2