

Product datasheet for **SC214770**

PATZ1 (NM_032052) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PATZ1 (NM_032052) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PATZ1
Synonyms:	dj400N23; MAZR; PATZ; RIAZ; ZBTB19; ZNF278; ZSG
ACCN:	NM_032052
Insert Size:	1502 bp



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Insert Sequence:	<p>>SC214770 3'UTR clone of NM_032052 The sequence shown below is from the reference sequence of NM_032052. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCAGAAATGCTCACATCAGGATCCGATGAGAGCTCTGACTCCTATGGTGACCTCTCAGATGCCAGCGA CCTGAAGACGCCAGAGAAGCAGAGTGCCAAATGGCTCTTTCTCCTGCGACATGGCAGTCCCCAAAAACAA AATGGAGTCTGATGGGAGAAGAAGTACCCATGCCCTGAATGTGGGAGCTTCTTCCGCTCTAAGTCTTA CTTGAACAAACACATCCAGAAGGTGCATGTCCGGGCTCTCGGGGCCCTGGGGGACCTGGGCCCTGC CCTTGGCTCACCTTTCTCCTCAGCAGAACATGTCTCTCCTCGAGTCTTTGGGTTTCAGATTGTTCA GTCGGCATTTCGTCATCTTTAGTAGATCTGAGGTTGACCAGCAGCCCATGGGGCTGAAGGGAAATG AGGCAGCTGCTGTGCCACGAAACAACCATCTGGGGACTGCTGGGAAATGCTGTGAATGCGGAGGG AAGTGATGTTTGGGTTCTGTAGCTGAGAGATTTTTATTCAATTTTTAACTGCCCCCAACCCCACTCAA CTCCTTCTCCACCACCCATTCTCCAATGGTCTTTAGAAATAGATTTTCACTGTATTCTGCAGAAT ATCAATGAGACTTGGTATGGGACAGGGGAGAAAAACTACATAGGCCTCCAAGGCAAAACCACTGCCA GTTTCTTAAATGGGAAGAAGCTGGAATTCCTGGTCTCAATTCCTAGTGACCCCAATCCTATACCCAAA TCTATGATATTCTGGGACCTCAGTGATTTTGGTCCCCTCCCACTTCTCTAGTTCGTCATCTCCCTTCC CATATCCTTCAAAGAACCACACTAGGGTCTCCACCTACTTATACAATGCGGATGCCCAACTGTTTTTA AGGAAGCCAGAAGCATCCCATGGACCATGGGGTGAGTGTCTCCAAGAGCCCCCTGAGCTCAGCCCTCT GCCTGGAGGGCTCCAGACCTTTCTGAGCCCTGCTTGGAGGCGAGCATTTTCACTGCTAGGACAAGCTCA GCTGTTGAGGACACCCCCACCCAAATTCAGTCTTACGTGATTTTAAACCATTCAACATGCTGTTGGG TTTTAATTCTCTAATTATTATTATTATTATTATTTTTTAGGACCAGTTGTAGTGAATTGCTACTGA AAGCTATCCCAGGTGATACAGAGCTCTTTGTAACCGCAGTCACACATTAGGGTTAGTATTAACCTTTG TTTAGATGTACCAATAATTAACCTGGCTAGTTGATTGTTTGAAGTCTATGGAAGAAATAGTTTTATGCAA AATTTTAAAAAATGCCAGTCTGGTCAGGGAAGTAGGGGTTTCAATGCTGTTGGGAACCAGGAAGGTGG GACAGCCGGCAGGTAGGGACATTGTGTACCTCAGTTGTGTACATGTGAGCAAGCCAGGTTGACCTTG TGATGTGAATTGATCTGATCAGACTGTATTAATAATGTTAGTACATTACTCTA ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG</pre>
Restriction Sites:	Sgfl-Mlul
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_032052.2

Summary:

The protein encoded by this gene contains an A-T hook DNA binding motif which usually binds to other DNA binding structures to play an important role in chromatin modeling and transcription regulation. Its Poz domain is thought to function as a site for protein-protein interaction and is required for transcriptional repression, and the zinc-fingers comprise the DNA binding domain. Since the encoded protein has typical features of a transcription factor, it is postulated to be a repressor of gene expression. In small round cell sarcoma, this gene is fused to EWS by a small inversion of 22q, then the hybrid is thought to be translocated (t(1;22)(p36.1;q12). The rearrangement of chromosome 22 involves intron 8 of EWS and exon 1 of this gene creating a chimeric sequence containing the transactivation domain of EWS fused to zinc finger domain of this protein. This is a distinct example of an intra-chromosomal rearrangement of chromosome 22. Four alternatively spliced transcript variants are described for this gene. [provided by RefSeq, Jul 2008]

Locus ID:

23598

MW:

55.9