

Product datasheet for SC212338

PATZ1 (NM_014323) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PATZ1 (NM_014323) Human 3' UTR Clone
Symbol:	PATZ1
Synonyms:	dj400N23; MAZR; PATZ; RIAZ; ZBTB19; ZNF278; ZSG
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014323
Insert Size:	1117 bp
Insert Sequence:	>SC212338 3'UTR clone of NM_014323 The sequence shown below is from the reference sequence of NM_014323. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
CAGCAGCCCATGGGCGCTGAAGGAAATGAGGCAGCTGCTGTGTCCACGGAAACAACCATCTGGGGA
CTGCTGGGAAATGCTGTGAATGCGGAGGGAAGTATGTTTGGGTTCTGTAGCTGAGAGATTTTATTCA
TTTTAACTGCCCCCAACCCCACTCAACTCCTTCTCCACCACCATTTCTCCAATGGTCTTTAGAAA
TAGATTTTCATCTGATATTCTGCAGAAATATCAATGAGACTTGGTATGGGACAGGGGCAGAAAACACTA
CATAGGCCTCCAAGGCAAAACCAAGTCCCAGTTTCTTTAATGGGAAGAAGCTGGAATTCCTGGTGCTCAA
TTCTTAGTGACCCCAATCCTATACCCAAATCTATGATATTCTGGGACCTCAGTGATTTTGGTCCCCTCC
CACTTCTCTAGTTCGTATCCTCCCTTCCCATATCCTTCAAAAGAACCACACTAGGGTCTCCACCTACT
TATACAATGCGGATGCCCACTGTTTTTAAGGAAGCCAGAAGCATCCCATGGACCATGGGGTGAGTGTC
CTCCAAGAGCCCCCTGAGCTCAGCCCTCTGCCTGGAGGGCTCCAGACCTTTCTGAGCCCTGCTTGGAGG
CGAGCATTTTCACTGCTAGGACAAGCTCAGCTGTTGAGGACACCCCCACCCCAAAATTCAGTTCTTACG
TGATTTTAACCATCAACATGCTGTTGGGTTTTAATTCTCTAATTATTATTATTATTGTTATTATTTT
TAGGACCAGTTGTAGTGAATTGCTACTGAAAGCTATCCAGGTGATACAGAGCTCTTTGTAACCCGAG
TCACACATTAGGGTTAGTATTAACTTTGTTTAGATGTACCATAATTAACCTGGCTAGTTGATTGTTTG
AAGTCTATGGAAGAAATAGTTTTATGCAAAATTTTAAAAAATGCCAGTCTGGTCAGGGAAGTAGGGGT
TTCAATGCTGTTGGGAACAGGAAGGTGGGACAGCCGCGCAGGTAGGGACATTGTGTACCTCAGTTGTGT
CACATGTGAGCAAGCCAGGTTGACCTTGATGTGAATTGATCTGATCAGACTGTATTAATAATGTTA
GTACATTACTCTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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:	<u>NM_014323.3</u>
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:	40.9