

## Product datasheet for **RR216870**

### **Patz1 (NM\_001277214) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Patz1 (NM_001277214) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Patz1
Synonyms:	Zfp278; Znf278
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR216870 representing NM\_001277214  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGCGGGTCAACGACGCTTCTTGGCGTCCGTCGGGCTGCTACACCTACCAGGTGAGCAGACACAGTA  
 CGGAGATGCTGCACAACCTGAACCAACAACGCAAAAACGCGGGCGCTTTTTCGACGTGCTCCTACGGGT  
 AGGCGATGAGAGCTTCCAGCGCACCGCGCTGACTGGCTGCCTGCAGCGAGTACTTTGAGTCTGTGTTT  
 AGCGCCAGTTAGGCGACGGCGGAGCTGCAGACGGTGGTCTGCTGATGTGGGAGGCGCGCGGGGCTC  
 CAGGCGCGGGGCTGGAGGCAGCCGGAAGTGGAGATGCACACCATCAGTTCCAAAGTGTTCGGAGACAT  
 CCTGGACTTCGTTACACGTCCCGAATCGTTGTGCGCCTAGAGAGCTTCCCCGAGCTCATGACGGCCGCC  
 AAGTTCCTGCTGATGAGGTGGTTCATCGAGATCTGCCAGGAAGTAAACAAACAGTCCAACGTGCAGATCC  
 TGGTGGCCCTGCCCGGGCTGATATCATGCTCTTTCGCCCTCCTGGGACTTCTGACTTGGCTTCCCTTT  
 GGACATGACCAACGGGGCAGCCATGGCAGCCAACAGTAATGGTATTGCTGGCAGTATGCAGCCCGAGGAA  
 GAGGCTGCCAGGGCCACAGGTGCTGCTATTGCGGGCAAGCTTCCTGCCTGTGTACCTGGGGTGGACA  
 GATTGCCCATGGTGGCTGGACCTCTATCCCCCAACTACTGACTTCTCCATTCCCCAATGTGGCATCCAG  
 TGCACCTCCTCTGACTGGCAAGCGAGGCCGGGGACGCCCCAGGAAGGCCAACCTGCTGGACTCCATGTTT  
 GGGTCTCCAGGGGGCTTGGGGAAGCAGGCATCCTTCCATGTGGCCTGTGCGGTAAGGTGTTCACTGACG  
 CCAACCGGCTCCGGCAACATGAGGCCAGCAGCGCGTCAACAAGCTCCAGTTGGGCTATATCGATCTTCC  
 TCCTCCAAGGCTGGGTGAGAATGGGTACCCATCTCCGAGGACCCGACGGCCCCAGAAAAGGAGCCGG  
 ACCAGGAAGCAGGTGGCTTGTGAGATCTGTGGCAAGATCTTTCGTGACGTATACCATCTCAACCGGCATA  
 AGCTGTCCACTCTGGGAGAAGCCGTAAGTCTGTCGCCGTTGTGGTCTGCGGTTCAAGAGAAAAGACCG  
 CATGTCTACCATGTGAGGTCCCATGATGGGTCAAGTGGGCAACCGTACATCTGCCAGAGCTGTGGGAAA  
 GGCTTCTCCAGGCCAGATCACTTGAATGGACATATCAAGCAGGTGCACACGTCTGAGCGCCCTACAAAAT  
 GTCAGACCTGCAATGCCTCCTTTGCCACTCGAGACCGCCTGCGCTCCACCTGGCCTGCCATGAAGACAA  
 GGTGCCCTGCCAGGTGTGCGGAAAGTACTTGGGGCAGCGTACATGGCTGACCACCTGAAGAAGCACAGC  
 GAGGGGCCAGCAACTTCTGCAGTATCTGTAACCGAGGTCTCCAGGCACCAGGAACCCATCTGAATGGG  
 GGAGCAGCGTTCCTGCGCCAGGACCTATGGCAACAAAGAAGGCCAGAAATGCTCACATCAGGATCTGA  
 T

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216870 representing NM\_001277214  
 Red=Cloning site Green=Tags(s)

MERVNDASCGPSGCYTYQVSRHSTEMLHNLNQQRKNGGRFCDVLLRVGDESFPAAHRAVLAACSEYFESVF  
 SAQLGDGGAADGGPADVGGAAAAAPGGGAGGSRELEMHTISSKVFGLDFAYTSRIVVRLESFPELMTAA  
 KFLLMRSVIEICQEVIKQSNVQILVPPARADIMLFRPPGTSDLGFPLDMTNGAAMAANSNGIAGSMQPEE  
 EAARATGAAIAGQASLPVLPVDRPLPMVAGPLSPQLLTSFPFNVASSAPPLTGKRGRGRPRKANLLDSMF  
 GSPGGLREAGILPCGLCGKVFDTANRLRQHEAQHGVTSLQLGYIDLPPRLGENGLPISEDPDGRKRSR  
 TRKQVACEICGKIFRDVYHLNRHKLSHSGEKPYSCPVCGLRFKRKDRMSYHVRSHDGSVGPYICQSCGK  
 GFSRPDHLNGHIKQVHTSERPHKQTCNASFATRDLRSHLACHEDKVPQVCGKYLRAAYMADHLKKHS  
 EGPSNFCNICNRGLQAPGTHPEWGSVPLRQDLWQRRPEMLTSGSD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001277214

**ORF Size:** 1611 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001277214.1](#), [NP\\_001264143.1](#)
**RefSeq Size:** 2993 bp

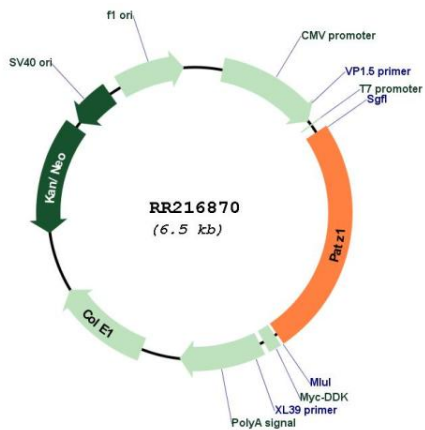
**RefSeq ORF:** 1614 bp

**Locus ID:** 305471

**Cytogenetics:** 14q21

MW: 58.1 kDa

Product images:



Circular map for RR216870