

Product datasheet for **MR230340**

Patz1 (NM_001253691) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Patz1 (NM_001253691) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Patz1
Synonyms:	8430401L15Rik; AI447519; Mazr; Patz; Zfp278
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230340 representing NM_001253691
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGGGTCAACGACGCTTCTTGGCGTCCGTCGGGCTGCTACACCTACCAGGTGAGCAGACACAGTA
 CGGAGATGCTGCACAACCTGAACCAACAACGCAAAAACGCGGGCGCTTTTTCGCGAGTCTCCTACGAGT
 AGGCGACGAGAGCTTCCAGCGCACCGCGCCGACTGGCTGCCTGCAGCGAGTACTTTGAGTCTGTGTTT
 AGCGCCAGTTAGGCGACGGCGGAGCTGCAGATGGTGGTCTGCTGATGTGGGAGCGCGCGCGGCTC
 CAGGCGCGGAGCTGGAGGCAGCCGGAAGTGGAGATGCACACCATCAGTTCCAAAGTGTTCGGAGACAT
 CCTGGACTTCGCTTATACGTCCCGAATCGTTGTGCGCCTAGAGAGCTTCCCCGAGCTCATGACGGCCGCC
 AAGTTCCTGCTGATGAGGTGGTTCATCGAGATCTGCCAGGAAGTAAACAAACAGTCCAACGTGCAGATCC
 TCGTGGCCCTGCCCGGGCTGATATCATGCTCTTTCGCCACCTGGGACTTCTGACTTGGGCTTCCCTTT
 GGACATGACCAACGGGGCAGCCATGGCAGCCAACAGTAACGGTATTGCTGGCAGTATGCAGCCCGAGGAG
 GAGGCTGCCAGGGCCACAGGTGCTGCTATTGCGGGCCAAGCTTCTCTGCCTGTGTTACCCGGGGTGGACA
 GATTGCCCATGGTGGCTGGACCCCTATCCCCCAACTACTGACTTCTCCGTTCCCTAATGTGGCATCCAG
 TGCACCTCCACTAACTAGCAAGCGAGGCCGGGGACGCCCCAGGAAGGCCAACCTGCTGGACTCCATGTTT
 GGGTCTCCAGGGGGCTTGGGGAAGCAGGCATCCTTCCATGTGGCCTGTGCGGGAAGGTGTTCACTGACG
 CCAACCGGCTCCGGCAACATGAGGCCACGACGGCGTCAACAAGCTCCAGTTGGGCTATATCGATCTTCC
 TCCTCCAAGGCTGGGTGAGAAATGGGTTACCCATCTCCGAGGACCCGATGGCCCCAGAAAAGGAGCCGG
 ACCAGGAAGCAAGTGGCTTGTGAGATCTGTGCAAGATCTTTCGTGACGTATACCATCTCAACCGGCATA
 AGCTTTCCCACTCGGGGAGAAGCCGTAATCTGTCGCCGCTGTGTGGTCTGCGGTTCAAGAGAAAAGACCA
 AATGTCGTACCATGTGAGGTCCCATGATGGGTCAAGTGGGCAACCGTACATCTGCCAGAGCTGTGGGAAA
 GGTTTCTCCAGGCCAGATCACTTGAATGGACATATCAAGCAGGTGCACACTTCTGAGCGACCTCACAAAT
 GTCAGGTGTGGTGGGAGCAGCAGCGCCTGCCGCCCTGGAACCTTCTCCTAGCGACCTGCCATCATG
 GGACTTTGCCAGCCTGCTTGTGGAGACCTGCAATGCCTCCTTTCGACTCGAGACCGCCTGCGCTCCC
 ACCTGGCCTGTCATGAAGACAAGGTGCCCTGCCAGGTGTGTGAAAGTACTTGGGGCCGCATACATGCC
 AGACCACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230340 representing NM_001253691
 Red=Cloning site Green=Tags(s)

MERVNDASCGPSGCYTYQVSRHSTEMLHNLNQRKNGGRFCVLLRVGDESFPAPRAVLAACSEYFESVF
 SAQLGDGGAADGGPADVGGAAAAPGGGAGGSRELEMHTISSKVFGLDFAYTSRIVVRLESFPELMTAA
 KFLLMRSVIEICQEVIKQSNVQILVPPARADIMLFRPPGTSDLGFPLDMTNGAAMAANSNGIAGSMQPEE
 EAARATGAAIAGQASLPVLPVDRPLPMVAGPLSPQLLTSFPFNVASSAPPLTSKRGRGRPRKANLLDSMF
 GSPGGLREAGILPCGLCGKVFDTANRLRQHEAQHGVTSLQLGYIDLPPRRLGENGLPISEDPGPRKRSR
 TRKQVACEICGKIFRDVYHLNRHKLSHSGEKPYSCPVCGLRFKRKDRMSYHVRSHDGSVGPYICQSCGK
 GFSRPDHLNGHIKQVHTSERPHKQVWVGSSSGLPPEPLPSDLPSWDFAPALWRPAMPPLRLETACAP
 TWPVMKTRCPARCVESTCGPHTWQTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

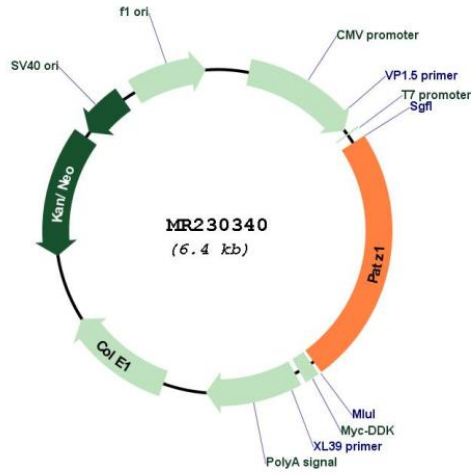
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001253691
ORF Size:	1548 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:	<ol style="list-style-type: none">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_001253691.1 , NP_001240620.1
RefSeq Size:	3210 bp
RefSeq ORF:	1551 bp
Locus ID:	56218
Cytogenetics:	11 A1
MW:	56 kDa