

Product datasheet for **MG209056**

Patz1 (BC043035) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Patz1 (BC043035) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Patz1
Synonyms:	Mazr, Patz
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209056 representing BC043035
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCGGGTCAACGACGCTTCTTGGCGTCCGTCGGGCTGCTACACCTACCAGGTGAGCAGACACAGTA
 CGGAGATGCTGCACAACCTGAACCAACAACGCAAAAACGGCGGGCGCTTTTGGCAGCTGCTCCTACGAGT
 AGGCGACGAGAGCTTCCAGCGCACCGCGCCGACTGGCTGCCTGCAGCGAGTACTTTGAGTCTGTGTTT
 AGCGCCAGTTAGGCGACGGCGGAGCTGCAGATGGTGGTCTGCTGATGTGGGAGCGCGCGGGCGGCTC
 CAGGCGCGGAGCTGGAGGCAGCCGGAAGTGGAGATGCACACCATCAGTTCCAAAGTGTTCGGAGACAT
 CCTGGACTTCGCTTATACGTCCCGAATCGTTGTGCGCCTAGAGAGCTTCCCCGAGCTCATGACGGCCGCC
 AAGTTCCTGCTGATGAGGTGGTTCATCGAGATCTGCCAGGAAGTAAACAAACAGTCCAACGTGCAGATCC
 TCGTGGCCCTGCCGGGCTGATATCATGCTCTTTCGCCACCTGGGACTTCTGACTTGGGCTTCCCTTT
 GGACATGACCAACGGGGCAGCCATGGCAGCCAACAGTAACGGTATTGCTGGCAGTATGCAGCCCGAGGAG
 GAGGCTGCCAGGGCCACAGGTGCTGCTATTGCGGGCCAAGCTTCTCTGCCTGTGTTACCCGGGGTGGACA
 GATTGCCCATGGTGGCTGGACCCCTATCCCCCAACTACTGACTTCTCCGTTCCCTAATGTGGCATCCAG
 TGCACCTCCACTAACTAGCAAGCGAGGCCGGGGACGCCCCAGGAAGGCCAACCTGCTGGACTCCATGTTT
 GGGTCTCCAGGGGCTTGGAGGAAGCAGGCATCCTTCCATGTGGCCTGTGCGGGAAGGTGTTCACTGACG
 CCAACCGGCTCCGGCAACATGAGGCCAGCAGCGCGTCAACAAGCTCCAGTTGGGCTATATCGATCTTCC
 TCCTCCAAGGCTGGGTGAGAATGGGTACCCATCTCCGAGGACCCGATGGCCCCAGAAAAGGAGCCGG
 ACCAGGAAGCAAGTGGCTTGTGAGATCTGTGCAAGATCTTTCGTGACGTATACCATCTCAACCGGCATA
 AGCTTTCCCACTCGGGGAGAAGCCGTAAGTCTGTCGCCGCTGTGTTGCTGCGGTTCAAGAGAAAAGACCG
 AATGTCGTACCATGTGAGGTCCCATGATGGGTCAAGTGGGGAAGTACTTGGGGCCGCATACATGGCAGAC
 CACCTGAAGAAGCACAGTGGGGGCCAGCAACTTCTGTAGCATCTGTAACCGAGAGGCCAGAAATGCT
 CACATCAGGATCTGATTGAGAGCTCCGACTCCTACGGTACCTCTCCGACGCCAGCGACCTGAAGACGCC
 AGAGAAACAGAGTGCCAACGGCTCCTTCTCCTGCGACGTGGCAGTCCCTAAAAACAAAATGGAGTCTGAC
 GGGGAGAAGAAGTACCCATGCCCTGAATGTGGGAGCTTCTCCGTTCTAAGTCTACTTGAACAAACACA
 TCCAGAAGGTGCATGTCGTCGCTTGGGGTCCCTTGGGGACCTGGGCCCTGCCCTTGGTTACCTTT
 CTCTCCCCAGCAGAACATGTCTCTTCTGAGTCTTTGGATTTTCAGATTGTTTCAGTCAGCGTTTGCATCA
 TCTTAGTGGATCCTGAGGTGGACCAGCAGCCCATGGGGCTGAAGGGAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209056 representing BC043035
 Red=Cloning site Green=Tags(s)

MERVNDASCGPSGCYTYQVSRHSTEMLHNLNQQRKNGGRFCVDVLLRVGDESFPAAHRAVLAACSEYFESVF
 SAQLGDGGAADGGPADVGGAAAAAPGGGAGGSRELEMHTISSKVFGLDILDFAYTSRIVVRLESFPELMTAA
 KFLLMRSVIEICQEVIKQSNVQILVPPARADIMLFRPPGTSDLGFPLDMTNGAAMAANSNGIAGSMQPEE
 EAARATGAAIAGQASLPVLPVDRPLPMVAGPLSPQLLTSFPFNVASSAPPLTSKRGRGRPRKANLLDSMF
 GSPGGLREAGILPCGLCGKVFDTANRLRQHEAQHGVTSLQLGYIDLPPRLGENGLPISDPDGPGRKRSR
 TRKQVACEICGKIFRDVYHLNRHKLSHSGEKPYSCPVCGLRFKRKDRMSYHVRSHDGSVGYLRAAYMAD
 HLKKHSEGPSNFCISICNREGQKCSHQDLIESSDSYGLSDASDLKTPKQSANFSFSCDVAVPKNKMESD
 GEKKYPCPECGSFFRSKSYLNKHIQKVHVRALGGPLGDLGPALGSPFSPQQNMSLLESFQIVQSAFAS
 SLVDPEVDQQPMGPEGK

TRTRPLE – GFP Tag – V

Restriction Sites:

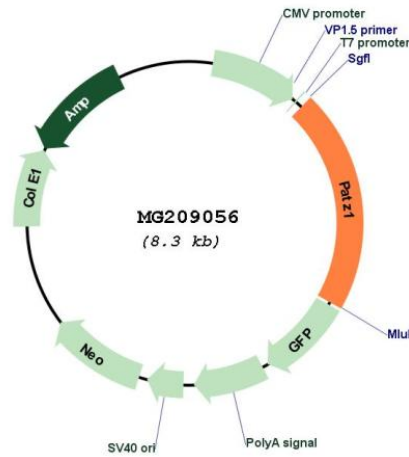
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC043035
 ORF Size: 1731 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:	BC043035.1
RefSeq Size:	2944 bp
RefSeq ORF:	1733 bp
Locus ID:	56218
Cytogenetics:	11 A1