

Product datasheet for **MG212417**

Patl2 (NM_026251) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Patl2 (NM_026251) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Patl2
Synonyms:	4930424G05Rik; Pat1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG212417 representing NM_026251
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAATGCCTTGAAGGTCTGCACTTACAGCAGAGACCCAGCAAGTTCTGTGCCCTTGGCTCCTGAAG
 AAGGCTTAGTGTGTGCCCTTCCAACCTGGAGGAAGAGAAGGAGAATGAAGATAAATGTGTGTTCAGATCA
 GGCTCCAGAAGTGAAGGAGGAAGGGTGTGGTCTCGGGATCCAGCCATAGTGAGCGCCTTCCAAAATACC
 CAAGTACCACAGCAGAGAGGGCTGCACAGTTCCACAGAGTCAAGGCCTCTGGTGCCTTGGGGATGTCAT
 CAGCCTCCCTGCATTTTATGTGGCAGTCTGTGTTTCCAAGAGCCAGTTCTCCAGCCCATCATTTTGGACC
 ACAACAGCCTTACCAGATCCTTTTCTGTTCTACAGCCACTGACCCCGTGGCCCTAAGCTCAGCCTT
 CCCAGTCATCTGACCCAGCTCCACCTCAGCACCAGCAGATCCTGCAGCAGCAGCAACGGTGGCGTA
 GGAGGCGGAGTCCAACAGCAAGAAGTGTCCCGCCAGAAGCCTTGGTCTCGTGAGCCAGCTGCCTCAGA
 TGCTATGCTAACCTCATGACCCGAAAAGAGAAGGACTGGGTGATAAGAGTGCAGATGGTTCAACTGCAG
 AGTGAGAACCCCGCCTGGATGATTACTACTACCAGAAATACTATCAGAAGCTGGAGAAGAGACAGGCAG
 ACAAGAGCTGCTTGGACAGAAGACCAGGGCTGAGTCTCTCAAGTTGGTACGCCTTACATCCAGAAGCC
 TGAAGTTTATGAGTCAGTGGTGGGATTGAGGGTTCCTGGGCCAGGTAGCTGTATCAACATGTTTTAGC
 CCTCGCCGAGCTATTGACGCTGTATCTCACGGAACCAAGAGCAGGATACAGGAGCTGCGAGCAGCCAGA
 GGCTTCGGGTATTGTCCCAGATTGAGAAGATGTTCTTCAAGTACTAAAAATAGAGGAGGGCCAGAATGA
 TGGGCTCCACAGCTCTACCACACTCGGAACAGAGCAGTCAGGTTGAGGAGCTCTTTCAGGCCTAAAA
 ACCCAGGAGCAGAACAACCTGGAGGAGGCAGCAGATAACCTCCTGCAAGTGTCTGTGAGGAAAGGGA
 AAGTTTTGGTGGCTCGGCTGCTCCCTTCTGCCCGGATCAAGCTGTTAGCCTCCTGTACATCAG
 CTACCATCTGCCCTCCTGATCCAGAGGACATGGCTGACCAGGGTCTACACATGCTATTCAAACCTCTG
 GGGAAATATATCAGTCATCTGACCTCCATCAGCTCCTCCATGCAATGCAAGGGCTAATGTTGCTATCAC
 CTGGCTCCTCAGAGCGGCCAGTCTCTGTGGTACTTCAAGATCAGTTTGGGATATCTGTGATATGCCTT
 GCTGAGTCACGGAGAGCAGCTGGTATCCCTGGATCCTTCCCTCCGATCCAGCAGTACTGTGCAACCTGG
 ACAGACTTGGTGATTCTGATTGCCTGGGAGATAGCTCAGTTGCCTGCAGCATCCTTGGCGGAGCCTTAG
 CCTCCCCAGGAATCTGCTTCCCTGTTCTGCCATCACATGGACAAGCAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG212417 representing NM_026251
 Red=Cloning site Green=Tags(s)

MKCLEGLHLQQRPSKFSVPLAPEEGLVCAFLQEEEEKENEDKCVCSQDAPEVKEEGCGLGDPPIVSAFQNT
 QVPQQRGLHSSHRVKASGALGMSSASLHFMWQSVFPRASSPAHHFGPQQSPDPFLFYSPLPWPPKLSL
 PSHLTQLHPQHQQILQQQQQRWRRRSPTARSVPAQKPSREPAASDAYANLMTRKEKDWVIRVQMVQLQ
 SENPRLDDYYYQKYYQKLEKRQADKELLGQKTRAESLKLVTPIYIQKPEVYVESVVRIEGSLGQVAVSTCFS
 PRRAIDAVSHGTQEQDTGAASSQRLRVLSQIEKMFLQLLKIEEGQNDGLPQLYHTREQSSQVEELFQALK
 TQEQNMLEEAADNLLQVLSVRKGVVVARLLPFLPPDQAVSLLLITYHLPLLIQRDMADQGLHMLFKPL
 GKYSIHLTFHQLLHAMQGLMLLSPGSSERPVSIVLQNFQISLLYALLSHGEQLVSLDPSLRSSSDCATW
 TDLVILIAWEIAQLPAASLAELAFPRNLLPCSAITWTSN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_026251
ORF Size:	1587 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_026251.2 , NP_080527.2
RefSeq Size:	2434 bp
RefSeq ORF:	1590 bp
Locus ID:	67578
UniProt ID:	A2ARM1
Cytogenetics:	2
Gene Summary:	RNA-binding protein that acts as a translational repressor.[UniProtKB/Swiss-Prot Function]