

Product datasheet for **MG207724**

Gpatch2l (NM_027405) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpatch2l (NM_027405) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gpatch2l
Synonyms:	1700020O03Rik; 4732487G21Rik; A630090I05Rik; Kiaa1152
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207724 representing NM_027405
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGAGCTAGTGCATGACCTGGCCTCAGCCTTGGAGCAGACATCGGAGCAGAGCAAGCTTGGTGGAG
 TGTGGGAGGAGATGGCCCTGAGCCCGAGACAGCAGAGGCGGCAGCTTCGAAACGCCGAGGACGGAAGCG
 CCGGTCTGACTTTACTCACCTGGCAGAGCAGCCTGCTGCTTCAGCGAGGCTCTGAGTCAAGTCTGGAT
 GAAGCCACCAAGGACTGCCGAGAAGTGGCTCCGCTCACCAACTTCAGTACTCTGATGACACGGTGGTGG
 CCAAACGGCACCCAGCTCTCAGTGCCATCATTAGGGTAAAGCAACATTCTTGGCCCGAGTCTGACTCCTT
 TACGGAAAACGCACCTTGTGACCCCTCAGGCGCCGCGGAAGGTGAAGCGAGTGACGTCCGAGGTGGCT
 GCCAGCCTTCAGCAGAAGCTGAAAGTGTGAGTGGAGCTATGAGAGAGGCTGCAGGTTCAAGTCTGCCA
 AGAAGCAGCGTCTATCCCGCTGGAAGGAGAATACTCCCTGGACCTCATCTGGCCATGGGCTGTGTGAATC
 AGCAGAGAATCGGACTTTCCTAAGCCAACAGGAAGGAAAGAAAGGATGGAGTGGAAAGCGAAGAGCAG
 AAGCACGGCTCTGACGAGAACATGTCCGAGTGTGACACTAGCAGTGTGTGACGACGAGTGCACCGGGC
 TCTTACCAATGATGAAGGACGACAAGGGGATGATGAGCAGAGTGATTGGTTTTATGAAGGAGAATGTGT
 CCCCATTACTGTCCATAACCTTCTGCCAAGTGGGCTCCTGATCACTGCACTGAAGTAGAAAGGATG
 GACTCCGGCCTGGATAAACTCTCAGACCCACGTTCTTTTACCTTCCCGCCAGCTCAAAGAGGATACC
 ATGGTCGTCTGAATAGGTTGCCAGGAGCTGCAGCTCGTTGCCAGGAAGGGCGGAGAAGGCTGCCTGG
 GAAGGAGCGGAGCATGAGCAGCTGGGACGGAGAGGATCGGCCATACCATCAGTGACCCCGGCAGACA
 GATTTCTGGTTACCATCAGCTGGGAAAAGAGAACGGAATCAGTTAATCCACTCTCCCTCTTTACTCCC
 TGGAGCTTCTTGCTGATGCTTCTCATCGAAGGTGCTCACCTGCACACTGCTCTGCCAGGCAGGCAAGTGT
 ACACTGGGGACCCACATGTCCACGTGACATTAAGAGGAAACGGAACCTGTGGCCTCAGCATCTTTTCT
 AGCCCTAGTCCAGTGCACCCAGATGTTCTGAGGCGGCCATCCAGCTCAGAAGCCTCCTGACTCCGAGT
 GTTTGGACGGACCTCTGCAGCAGAGAAAGCCACTGCCTTCTCCAGCCACGTTTTTCAAATGCCACA
 GAAAAGAATTCTGGCTGCAGCTCTAGCCAGGAACCAATGGGTGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207724 representing NM_027405
 Red=Cloning site Green=Tags(s)

MDELVHDLASALEQTSEQSKLGELWEEMALSPRQRRQLRKRGRKRSDFTHLAEHACCFSEASESSLD
 EATKDCREVAPL TNFSDSDTVVAKRHPAL SAIIRGKQHSWPESDSFTENAPCRPLRRRRKVKRVTVSEVA
 ASLQQLKLVSDWSYERGCGRFSAKKQRLSRWKENTPWTSSGHGLCESAENRTFLSQPGRKERMECEAEEQ
 KHGSDENMSECDTSSVCSSTGLFTNDEGRQGDDEQSDWFYEGECVPGFTVHNLLPKWAPDHCTEVERM
 DSGLDKLSDPTFLLPSRPAQRGYHGRLNRLPGAAARCLRKRRRLPGKEASMSLGTERTIGHTISDPRQT
 DFWLPSAGKRERNQFNPLSPLYSLDVLADASHRRCSAHC SARQASVHWGPPCPRIKRRKPVASASFS
 SPSVPHDVLPAIPAQKPPDSEWLDGTSAAEKATAFPATFFKMPQEKNSGCS SSPGTNGC

TRTRPLE – GFP Tag – V

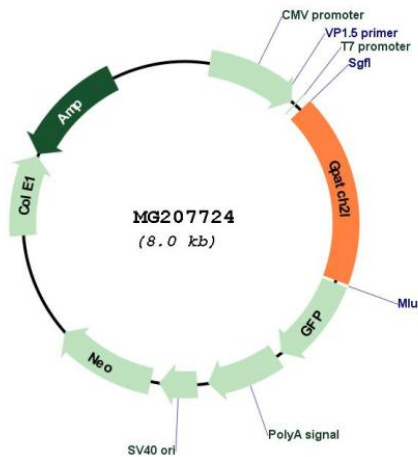
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_027405

ORF Size: 1446 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_027405.3](#), [NP_081681.2](#)

RefSeq Size: 3947 bp

RefSeq ORF: 1449 bp

Locus ID: 70373

UniProt ID: [Q6PE65](#)

Cytogenetics: 12 D2