

Product datasheet for **MR208457**

Gpatch2 (NM_026367) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpatch2 (NM_026367) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpatch2
Synonyms:	5830433G22Rik; 5830436K05Rik; AI427714; AI447508; AW107440; AW491060; Gpatch2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208457 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTGGGGCCGACGGGCGCCAGCGATCGGAACCGCCCGGGGAAGAGCTGGCATTTCAGTCGAACAA
 TGGAAAGAGCTTGTTCACGATCTTGTCTCTGCACTGGAAGAGAGCTCTGAGCAAGCCCGAGGTGGATTTC
 TGAAACTGGAGAACATTCTGAAATCTGTCTTGCCTCTGAAACGCCAGGCCCGAAAAGGAGAGGGAGG
 AAGCGGAGATCCTACAATGTTCCACCACCGTGGGAGACAGGCCACTGCTTAAGTGAAGGCTCTGATTCTA
 GTTTAGAAGAACCAAGTAAGGACTATAGAGAGAAGCACAGCAATAATAAAAAGGACCGCAGTGACTCTGA
 TGACCAGATGTTAGTGGGAAGCGGAGGCCATCTTCAAACCTAAGCAGCAGCGTTCGAGGTAAGCGGCTT
 CTGTGGCAGGATCTGACTTTGCCGTGGACAGCCTTGGGAACAGAACGCTGCGCCGGAGGAGGAAGGTGA
 AGCGCATGGCCGTGGATCTCCCGCAGGACGTCTCCAGCAAAAGGACAATGACCCAGCTGCCAGAAGGCTG
 CAGAGATCAGGACATGGACAATGATAGAGCCAGCCAGTATCCAGAGTTTACCCGGAAGAAAGTTAAGAAA
 AGGAAGTTGAAAGGGATTAGGCCAGGACCGAAAACCCAGGAGGAAGGAGGAGTTTGGAGAGTGAAGAAA
 GAAGCCAGCCCAACAAGGACAGGATGGAGTACGAGGAACGAAAGCCTCGGATGAGCTCAGGAGCGAAAAG
 TGACACCAGCAGTCTCAGCAGCACTGACGCGGGCTTGTTCACCAACGATGAGGGAAGACAAGGTGATGAT
 GAGCAGAGTACTGGTTCTATGAGAAGGAGTCAAGCGGAGCGTGCGGGATTGCTGGAGTCGTGCCCTGGT
 GGGAAAAGGATGAGCCAGCAGAGCTGGACACCAACCTGCCCGACCTGTGTTTGAAGATCTTAAGTGG
 CTCCTTCCTCTCATGTCCATCCTGGCAGAGGAGTTTCCAAGCTAGACTCAGTCGCCTTCATGGAACG
 CCTTCAAAGAATATTAAGTCTTCAGGGCTCCACCTTCAATGCTGCCTGCTCCTGCCCTGGGCTAGCA
 ACAAGAGGATGGTTCACTTCTCCAGAGCGCCATCGCCATGACCACTGGTTTATGCCCTGGGCTAGCA
 AGAGCACGGCCAGCATCAGCTTCTGAGAGATAACCGAGCGGAAAAGAGGACACAAGAAAAGCTGCTCCCTG
 AAAACAGCCAGCAGGACAGACAAGCATGCATTTAGGATCCTTGTGCACAGGAGACATCAAAAAGGAGAAGGA
 AAGCTGCCCGTTCCTGGACCCACTGCAGCAGGAATTGTGGGTGAGAACGCCCGGATCCTAGAGAG
 CAACATCGGGAACCGCATGCTTCAGAGTATGGGATGGACACCCGGGTGAGGCTCGGGCAGATGGCAGA
 GGGATCGCGGAGCCAGTTCAGCCGTTCAAGCCGTTCAAGGCGGAAAGGGTTAGGACTTGATTTCTCTACCAAAA
 GCTCCCCACCAGCCCTGCCCCACATCAGGAAACCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208457 protein sequence
 Red=Cloning site Green=Tags(s)

MFGADGRPAIGTAAGKSWHF SRTMEELVHDLVSALEESSEQARGGFAETGEHSRNLSCPLKRQARKRRGR
 KRRSYNVHHPWETGHCLSEGSDSLEEPSKDYREKHSNNKDRSDSDDQMLVAKRRPSSNLSSSVRGKRL
 LWHESDFAVDSLGNRTRLRRRKVKRMAVDLPQDVSSKRTMTQLPEGCRDQMDNDRASQYPEFTRKKVKK
 RKLKGIKIRPGPKTQEEGGVLESEERSQPNKDRMEYEEQKASDELRSSEDTSSLSSDAGLFTNDEGRQDD
 EQSDWFYEKESGGACGIAGVVPWWEKDEPAELDTNLPDPVFESILSGSFPLMHPGRGGFQARLSRLHGT
 PSKNIKSSGAPPSMLPAPGPGSNKRMVHFSPDAHRHDHWFSPGARTEHGQHQLLRDNRAERGHKSCSL
 KTASRQTSMHLGSLCTGDIKRRRKAAPLPGPTAAGIVGENAQPILESNIGNRMLQSMGWTPGSGLRDGR
 GIAEPVQAVQRPKGLGLGFPLPKSSPTSPAPTSNPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_026367

ORF Size: 1584 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_026367.3](#), [NP_080643.3](#)

RefSeq Size: 4565 bp

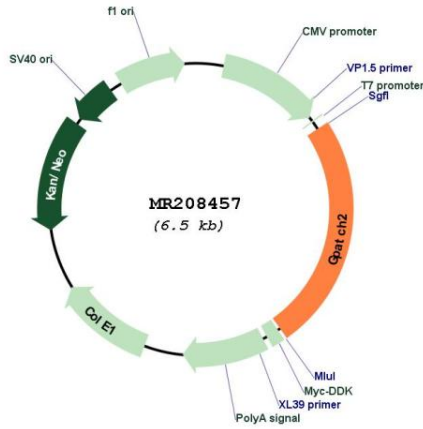
RefSeq ORF: 1584 bp

Locus ID: 67769

UniProt ID: [Q7TQC7](#)

Cytogenetics: 1 H5
 MW: 58.2 kDa
 Gene Summary: Enhances the ATPase activity of DHX15 in vitro.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208457