

Product datasheet for **MG218392**

P4ha3 (NM_177161) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P4ha3 (NM_177161) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	P4ha3
Synonyms:	D930031A02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218392 representing NM_177161
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCCAGGGCGCGCTGGCTCTGCTGGCGCTGCTGGCGCTCGGGGAGACCCGCGCGGCCACGG
 GCGGGAGGACACGTTCTCCGCGCTGACCAGCGTGGCGCGCCCTGGCGCCGAGCGCAGGCTGCTGGG
 GACACTGAGGCGCTACCTGCGCGCGAGGAGGCGCGCTGCGCGACTTGACCAGATTCTATGACAAGGTA
 CTTTCTTTCACGAGGACTTGAAGATCCCTGTAGTGAATCCTCTACTTGCCTTCACTCTCATCAAACGTC
 TGCAGTCCGACTGGAGGAATGTGGTACATAGTCTGGAGGCCACTGAGAACATCCGAGCTCTGAAGGATGG
 CTATGAGAAGGTAGAGCAAGACCTTCTGCCTTTGAGGACCTCGAGGGAGCAGCAAGGGCCCTGATGCGG
 CTGAGGATGTGTACATGCTCACGTGAAGGGCTTGGCTCGAGGCGTCTCCAGAGGGTACGCGGCTCT
 CCATCACGACCTGTACAGTCCCAGGCAGCTTCTCTCTCACAGCGGATGACTGCTTCCAAGTTGGCAA
 GGTGGCCTATGACACAGGGGATTACTACCATGCCATCCCATGGCTGGAGGAAGCTGTCAGTCTTCCGG
 AGAGCCCACGGCGAGTGAAGACAGAGGACGAGGCCAGTCTGGAAGACGCCCTGGATTACTTGGCCTTTG
 CCTGTTTCCAGGTAGGAAATGTTTCATGTGCCCTCAGCCTCTCTCGAGAGTTCCTTGTCTACAGCCAGA
 CAATAAGAGGATGGCCAGGAATGTGTTGAAATATGAAAGGCTCTTGGCTGAGAATGGTACCAGATGGCG
 GCTGAGACTGCAATTCAGAGGCCAACGTACCCACCTGCAGACCAGGGACACCTACGAGGGGCTATGCC
 AGACCTGGGCTCCCAGCCAACACACTACCAAAATCCCCAGCCTCTACTGCTCCTATGAGACCAATCCAG
 CCCCTACCTACTGCTCCAGCCTGCCGAAAGGAGGTTGTCCACCTACGGCCGCTCATAGCTCTTACCAT
 GACTTTTGTGAGTACGAGGAAGCTCAGAAAATCCGAGAGCTTGCAGAACCGTGGCTCCAGAGATCAGTGG
 TGGCTTCGGGGAAAAGCAGTTGCAAGTGGAGTACCGCATCAGCAAAAAGTGCCTAAAGGACACGGT
 TGATCCAATGCTGGTGACCTTGACCACCGCATTCGCGGCCCTCACAGGCCCTTGACATCCAGCCTCCCTAC
 GCAGAGTATCTCCAGGTGGTGAATATGGAATCGGAGGGCACTATGAGCCTCACTTTGACCATGCTACGT
 CGCCAGCAGCCCTGTACAGAATGAAGTCTGGGAACCGAGTGGCAACGTTTATGATCTATCTGAGCTC
 CGTAGAAGCTGGAGGAGCCACGGCTTTTATCTATGGCACTTCACTGTGCTGTGGTTAAGAATGCTGCA
 CTGTTTTGGTGGAACTGCACAGGAGCGGAGGGGGATGGTGCACACTTCACTGCTGGCTGTCTGTGC
 TGGTGGGAGACAAGTGGTGGCCAACAAGTGGATCCACGAGTATGGACAGGAATCCGAAGACCCTGCAG
 CACCAACCCTGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218392 representing NM_177161
 Red=Cloning site Green=Tags(s)

MGPGARLALLALLALGGDPAAATGREDTFSALTSVARALAPERRLLGTLRRYLRGEEARLRDLTRFYDKV
 LSLHEDLKIPVNPPLLAFTLIKRLQSDWRNVVHSLEATENIRALKDGYEKVEQDLPAFEDLEGAARALMR
 LQDVYMLNVKGLARGVFRVTGSSITDLYSPRQLFSLTADDCFQVGKVAYDTGDYYHAIPWLEEAVSLFR
 RAHGEWKTEDEASLEDALDYLAFAFQVGNVSCALSLSREFLVYSPDNKRMARNVLYERLLAENGHQMA
 AETAIQRPNPVPHLQTRDYEGLCQTLGSQPTHYQIPSLYCSYETNSSPYLLLQPARKEVHLRPLIALYH
 DFVSDDEEAQKIRELAEPWLQRSVVASGEKQLQVEYRISKSAWLKDTVDPMLVTLDHRIAALTGLDIQPPY
 AEYLQVVNYGIGGHYEPHFDHATSPSSPLYRMKSGNRVATFMIYLLSSVEAGGATAFIYGNFVSPVVKNA
 LFWNNLHRSGEGDGLHAGCPVLVGDKWWANKWIHEYQEFRRPCSTNPED

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_177161

ORF Size: 1626 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_177161.4](#), [NP_796135.3](#)

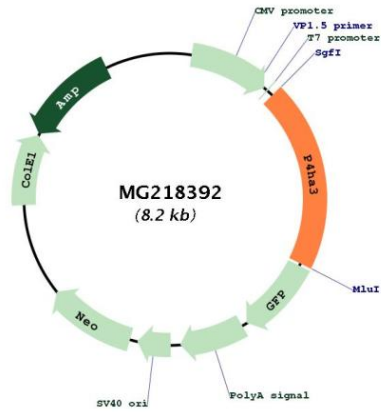
RefSeq Size: 2361 bp

RefSeq ORF: 1629 bp

Locus ID: 320452

Cytogenetics: 7 E2

Product images:



Circular map for MG218392