

Product datasheet for **MG206351**

P4ha3 (BC082538) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P4ha3 (BC082538) 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)
ORF Nucleotide Sequence:	>MG206351 representing BC082538 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGCTGCAGGATGTGTACATGCTCAACGTGAAGGGCTTGGCTCGAGGCGTCTTCCAGAGGGTCACGG
GCTCCTCCATCACCGACCTGTACAGTCCCAGGCAGCTCTTCTCTCACAGCGGATGACTGCTTCCAAGT
TGGCAAGTGGCCTATGACACAGGGGATTACTACCATGCCATCCCATGGCTGGAGGAAGCTGCAGTCTC
TTCCGGAGAGCCACGGCGAGTGAAGACAGAGGACGAGGCCAGTCTGGAAGACGCCCTGGATTACTTGG
CCTTTGCCTGTTCCAGGTAGGAAATGTTTCATGTGCCCTCAGCCTCTCTCGAGAGTTCCCTGTCTACAG
CCCAGACAATAAGAGGATGGCCAGGAATGTGTTGAAATATGAAAGGCTCTTGGCTGAGAATGGTCACCAG
ATGGCGGCTGAGACTGCAATTCAGAGGCCAACGTACCCACCTGCAGACCAGGGACACCTACGAGGGGC
TATGCCAGACCCTGGGCTCCCAGCCAACACACTACCAAATCCCCAGCCTCTACTGCTCCTATGAGACCAA
TTCCAGCCCCTACCTACTGCTCCAGCCTGCCCGAAAGGAGGTTGTCCACCTACGGCCGCTCATAGCTCTC
TACCATGACTTTGTGAGTACGAGGAAGCTCAGAAAATCCGAGAGCTTGCAGAACCGTGGCTCCAGAGAT
CAGTGGTGGCTTCGGGGAAAAGCAGTTGCAAGTGGAGTACCGCATCAGCAAAAGTGCCTGGCTAAAGGA
CACGGTTGATCCAATGCTGGTGACCCTTGACCACCGCATTGCGGCCCTCACAGGCCTTGACATCCAGCCT
CCCTACGCAGAGTATCTCCAGGTGGTGAACACTGGAATCGGAGGGCACTATGACCTCAGTTTGACCATG
CTACGTCGCCCAGCAGCCCCTGTACAGAATGAAGTCTGGGAACCGAGTGGCAACGTTTATGATCTATCT
GAGCTCCGTAGAAGCTGGAGGAGCCACGGCTTTTATCTATGGCAACTTCAGTGTGCTGTGGTTAAGAAT
GCTGCACTGTTTTGGTGGAACTGCACAGGAGCGGAGAGGGGGATGGTGACACACTTCATGCTGGCTGTC
CTGTGCTGGTGGGAGACAAGTGGGTGGCCAACAAGTGGATCCACGAGTATGGACAGGAATCCGAAGACC
CTGCAGCACCAACCCTGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206351 representing BC082538
 Red=Cloning site Green=Tags(s)

MRLQDVYMLNVKGLARGVFRVTGSSITDLYSPRQLFSLTADDCFQVGKVAYDTGDYYHAIPWLEEAVSL
 FRRAHGEWKTEDASLEDALDYLAFACFQVGNVSCALSLSREFLVYSPDNKRMARNVLYERLLAENGHQ
 MAAETAIQRPNPVPHLQTRDYEGLCQTLGSPQTHYQIPSLYCSYETNSSPYLLQLQPARKEVVHLRPLIAL
 YHDFVSDEEAQKIRELAEPWLQRSVVASGEKQLQVEYRISKSAWLKDTVDPMLVTLDHRIAALTGLDIQP
 PYAEYLQVYNYGIGGHYEPHFDHATSPSSPLYRMKSGNRVATFMIYLSVVEAGGATAFIYGNFSVPVVKV
 AALFWWNLHRSGEEDGDTLHAGCPVLVGDKWVANKWIHEYGQEFRRPCSTNPED

TRTRPLE - GFP Tag - V

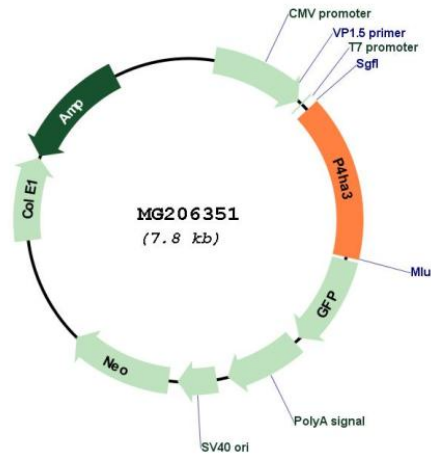
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC082538

ORF Size:	1214 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:	BC082538 , AAH82538
RefSeq Size:	2426 bp
RefSeq ORF:	1214 bp
Locus ID:	320452
Cytogenetics:	7 E2