

Product datasheet for MR206351

P4ha3 (BC082538) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P4ha3 (BC082538) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P4ha3
Synonyms:	D930031A02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206351 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGCTGCAGGATGTGTACATGCTCAACGTGAAGGGCTTGGCTCGAGGCGTCTTCCAGAGGGTCACGG
GCTCCTCCATCACCGACCTGTACAGTCCCAGGCAGCTTCTCTCTCACAGCGGATGACTGCTTCCAAGT
TGGCAAGTGGCCTATGACACAGGGGATTACTACCATGCCATCCCATGGCTGGAGGAAGCTGCAGTCTC
TTCCGGAGAGCCACGGCGAGTGAAGACAGAGGACGAGGCCAGTCTGGAAGACGCCCTGGATTACTTGG
CCTTTGCCTGTTCCAGGTAGGAAATGTTTCATGTGCCCTCAGCCTCTCTCGAGAGTTCTTGTCTACAG
CCCAGACAATAAGAGGATGGCCAGGAATGTGTTGAAATATGAAAGGCTCTTGGCTGAGAATGGTCACCCAG
ATGGCGGCTGAGACTGCAATTCAGAGGCCAACGTACCCACCTGCAGACCAGGGACACCTACGAGGGGC
TATGCCAGACCCTGGGCTCCCAGCCAACACACTACCAAATCCCCAGCCTCTACTGCTCCTATGAGACCAA
TTCCAGCCCCTACCTACTGCTCCAGCCTGCCCGAAAGGAGGTTGTCCACCTACGGCCGCTCATAGCTCTC
TACCATGACTTTGTGAGTACGAGGAAGCTCAGAAAATCCGAGAGCTTGCAGAACCCTGGCTCCAGAGAT
CAGTGGTGGCTTCGGGGGAAAAGCAGTTGCAAGTGGAGTACCGCATCAGCAAAAGTGCCTGGCTAAAGGA
CACGGTTGATCCAATGCTGGTGACCCCTTGACCACCGCATTGCGGCCCTCACAGGCCTTGACATCCAGCCT
CCCTACGCAGAGTATCTCCAGGTGGTGAACACTATGGAATCGGAGGGCACTATGAGCCTCACTTTGACCATG
CTACGTCGCCCAGCAGCCCCTGTACAGAATGAAGTCTGGGAACCGAGTGGCAACGTTTATGATCTATCT
GAGCTCCGTAGAAGCTGGAGGAGCCACGCTTTTATCTATGGCAACTTCAGTGTGCTGTGGTTAAGAAT
GCTGCACTGTTTTGGTGGAACTGCACAGGAGCGGAGAGGGGGATGGTGACACACTTCATGCTGGCTGTC
CTGTGCTGGTGGGAGACAAGTGGTGGCCAACAAGTGGATCCACGAGTATGGACAGGAATCCGAAGACC
CTGCAGCACCAACCCTGAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206351 protein sequence
Red=Cloning site Green=Tags(s)

MRLQDVYMLNVKGLARGVFRVTGSSITDLYSPRQLFSLTADDCFQVGKVAYDTGDYYHAIPWLEEAVSL
 FRRAHGEWKTEDEASLEDALDYLAFACFQVGNVSCALSLSREFLVYSPDNKRMARNVLKYERLLAENGHQ
 MAAETAIQRPNVPHLQTRDITYEGLCQTLGSQPTHYQIPSLYCSYETNSSPYLLLPARKEVVHLRPLIAL
 YHDFVSDEEAQKIRELAEPWLQRSVVASGEKQLQVEYRISKSAWLKDTVDPMLVTLDHRIAALTGLDIQP
 PYAEYLQVVNYGIGGHYEPHFDHATSPSSPLYRMKSGNRVATFMIYLSVVEAGGATAFIYGNFSVPVVK
 AALFWWNLHRSGEEDGDLHAGCPVLVGDKWVANKWIHEYGQEFRRPCSTNPED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC082538

ORF Size: 1212 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: [BC082538](#), [AAH82538](#)

RefSeq Size: 2426 bp

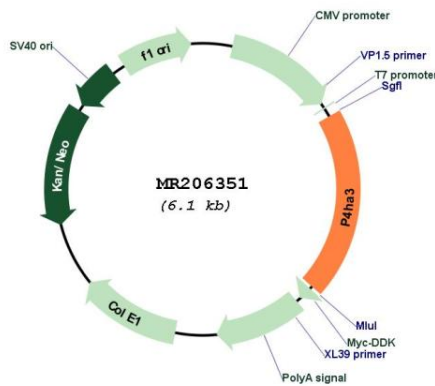
RefSeq ORF: 1214 bp

Locus ID: 320452

Cytogenetics: 7 E2

MW: 45.7 kDa

Product images:



Circular map for MR206351