

Product datasheet for **MR207947**

Plekho2 (NM_153119) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekho2 (NM_153119) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plekho2
Synonyms:	A1840980; Plekhq1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207947 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGGAGGAGTATAAAGGAGGGGAGCGAGAAGCCTCGTGGAGCACGGACTGCAGACAAGGCTGGCT
 GGATCAAGAAGAGCAGTGGGGGCTTCTGGGTTTATGAAAAGACCCTACTTGTCTCTGCCAAGCCCA
 GCTGCTGGTCTACGAGAATGAGGATGAGCAGAAATGTGTAGAGACGGTGGAACTTGGGAGCTATGAGAAG
 TGCCAGGATCTCCGACTCTCCTCAAGCGGAAACATCACCGCTTTATCCTGCTGCGATCCCCAGGGAACA
 AGGTCAGTGACATCAAATCCAGGCCCCAGTGGGGAAGAAAAGGAATCCTGGATCAAAGCTCTCAACGA
 AGGGATCAACCGAGGCAAGAACAAGGCTTTTATGAGGTAAAAGTAGACAAGACCTGTGCCCTAGAGCAT
 GTGACACGGAACCGGTACGTGGGGCCAGCGCGGCCACCAACAAGAATCCACTTAAAGGAGGTAG
 CCAGTGGGCTTCTGATGGGCTTTCACGGCTGGACCTCGATGTCCAGACAGTGGACCACAGTGTTCG
 TCCTCTCAGTGAACAGCAGCCAGGAGCCACCTCGGGCTCTCATGCCTCCTGTCAAGCCT
 TCCCAGGACCAGAGACCTCTGCAGTTGAGGACAGCAAGGAGACTCCTGCAGGAGAGAGACCCTAACCC
 CTGACTCTGCAAGCTCTGGGGCCAACTCTGAGAGCCAAGAGGATGCAGAGACCCAGCAAAGGAGGACAG
 TGACGTGAAAAGTCTCCCAACAGCACCTTGTCTGAGAACTGAAGGTGAGCTGGGAGAACCCAGGCCA
 GAGAAGCCTTCTGCTCCTGAGAGTGCACAGTTGTCTCTCGGAGACTCCAGAGGCTACCCAGGGAGA
 GCAAAAAGCCCTGCACCCCTCCAAGATCCTGTGGAGAAGATGAAGGCTTGTATGAGTGGAGTGGGA
 TGCTTCTGGTTCATCCAGAGTTCTGAGGCCCCGAGACCACTTCCCAGAGCCGACCCAGGTGTCTGTG
 AATGGCATGGATGATGGTCTGAGTGGCTTACAGGCCATGGGCATCCCTGGACCTGCCCCAGAGGATG
 CGGCAGCATCCCAGCACTGCCCTTCTCGGACTGCCATCCCAGTTTCATCCTCGCTCCTTCCCTTGG
 GGACCTACTCAGAGAAAGCCCTCAGCATCCAGACTGCCAAGGAGAAGTTGTATCGGGCCAGCTGGAA
 GTCAAGGTGGCTTCGAAACAGACAGAGAAATTGTTGAACAGGTGCTGGGAGCGAACCACCGCCTGTG
 GTGCCAGTCAATTGCTCAGCCAGGCTGTAGAGCAACTGAGGCAGGCCACACAAGTCTGCAGGAAATGAG
 GGATTTGGGAGAACTGAACCAAGAAACCCCTGGGCTAGTGCAAAAACGGAAGGAGCTGGTACCCTCTAC
 AGGAGAAGTGCACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207947 protein sequence
 Red=Cloning site Green=Tags(s)

MEEESIKEGSEKPRGARTADKAGWIKKSSGGLLGLWKDRYLLLCQAQLLVYENEDEQKCVETVELGSYEK
 CQDLRLLKRRKHHRFILLRSPGNKVSDFKQAPSGEKESWIKALNEGINRGKNKAFDEVKVDKTCALAH
 VTRNRVRRGGQRRRPPTRIHLKEVASAASDGLSRLDLVDPDSGPPVFAPLSDISEDQPQEPRALMPPVKP
 SPGPETSAVEDSKETPAGERALTPDSASSGANPESQEDAETPAKEDSDVKSLPNSTLSEKLVSWENPSP
 EKPSAPESAQLSSSETPEATPRESKPPAPPKILSEKMKACMSGVDASGSSQSSEAPETTSPEPTQVSV
 NGMDDGPESALQAMGIPAPEDAASPALPFDLPSQFHPRSSSLGDLRESPQHPRLPKEKLYRAQLE
 VKVASKQTEKLLNQVLGSEPPPVCASLLSQAVEQLRQATQVLQEMRDLGELNQETPGLVQKRKELVTLY
 RRSAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_153119

ORF Size: 1488 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_153119.3](#)

RefSeq Size: 5127 bp

RefSeq ORF: 1488 bp

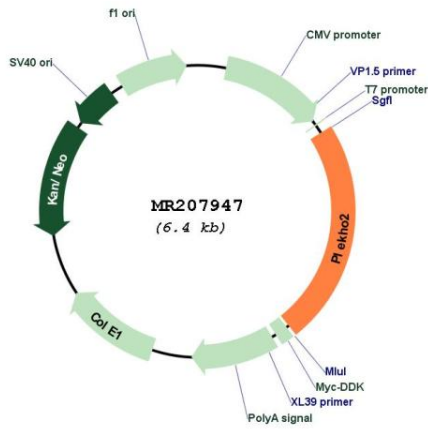
Locus ID: 102595

UniProt ID: [Q8K124](#)

Cytogenetics: 9 C

MW: 53.9 kDa

Product images:



Circular map for MR207947