

## Product datasheet for **MG207947**

### **Plekho2 (NM\_153119) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Plekho2 (NM_153119) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plekho2
Synonyms:	A1840980; Plekhq1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207947 representing NM\_153119  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGAGGAGTATAAAGGAGGGGAGCGAGAAGCCTCGTGGAGCACGGACTGCAGACAAGGCTGGCT  
 GGATCAAGAAGAGCAGTGGGGGCTTCTGGGTTTATGAAAGACCCTACTTGTCTCTGCCAAGCCCA  
 GCTGCTGGTCTACGAGAATGAGGATGAGCAGAAATGTGTAGAGACGGTGGAACTTGGGAGCTATGAGAAG  
 TGCCAGGATCTCCGACTCTCCTCAAGCGGAAACATCACCGCTTTATCCTGCTGCGATCCCCAGGGAACA  
 AGGTCAGTGACATCAAATCCAGGCCCCAGTGGGGAAGAAAAGGAATCCTGGATCAAAGCTCTCAACGA  
 AGGGATCAACCGAGGCAAGAACAAGGCTTTTATGAGGTAAAAGTAGACAAGACCTGTGCCCTAGAGCAT  
 GTGACACGGAACCGGTACGTGGGGCCAGCGCGGCCACCAACAAGAATCCACTTAAAGGAGGTAG  
 CCAGTGGCGTCTGATGGGCTTTCACGGCTGGACCTCGATGTCCAGACAGTGGACCACAGTGTTTGC  
 TCCTCTCAGTGAAGACCAGCCCCAGGAGCCACCTCGGGCTCTCATGCCTCCTGCAAGCCT  
 TCCCCAGGACCAGAGACCTCTGCAGTTGAGGACAGCAAGGAGACTCCTGCAGGAGAGAGAGCCCTAACCC  
 CTGACTCTGCAAGCTCTGGGGCCAACTCTGAGAGCCAAGAGGATGCAGAGACCCAGCAAAGGAGGACAG  
 TGACGTGAAAAGTCTCCCAACAGCACCTTGTCTGAGAACTGAAGGTGAGCTGGGAGAACCCAGCCCA  
 GAGAAGCCTTCTGCTCCTGAGAGTGCACAGTTGTCTTCTCGGAGACTCCAGAGGCTACCCAGGGAGA  
 GCAAAAAGCCCCGACCCCTCCCAAGATCCTGTGGGAGAAGTGAAGGCTTGTATGAGTGGAGTGGGA  
 TGCTTCTGGTTTCCAGAGTCTGAGGCCCCGAGACCACTTCCCCAGAGCCGACCCAGGTGTCTGTG  
 AATGGCATGGATGATGGTCTGAGTGGCTTACAGGCCATGGGCATCCCTGGACCTGCCCCAGAGGATG  
 CGGACGATCCCCAGCACTGCCCTTCTCGGACTGCCATCCCAGTTTCATCCTCGCTCCTTCCCTTGG  
 GGACCTACTCAGAGAAAGCCCTCAGCATCCACGACTGCCAAGGAGAAGTTGTATCGGGCCAGCTGGAA  
 GTCAAGGTGGCTTCGAAACAGACAGAGAAATTGTTGAACAGGTGCTGGGAGCGAACCACCGCCTGTGT  
 GTGCCGAGTATTGCTCAGCCAGGCTGTAGAGCAACTGAGGCAGGCCACACAAGTCTGCAGGAAATGAG  
 GGATTTGGGAGAACTGAACCAAGAAACCCCTGGGCTAGTGCAAAAACGGAAGGAGCTGGTACCCTCTAC  
 AGGAGAAGTGCACCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207947 representing NM\_153119  
 Red=Cloning site Green=Tags(s)

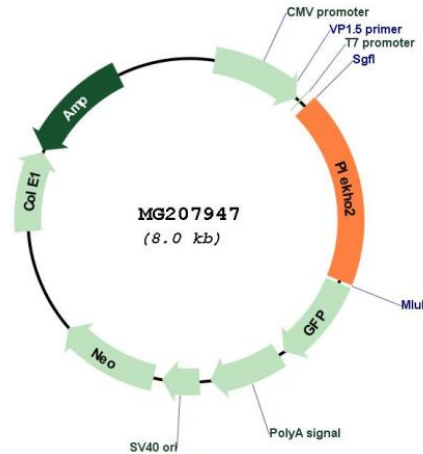
MEEESIKEGSEKPRGARTADKAGWIKKSSGGLLGLWKDRYLLLCQAQLLVYENEDEQKCVETVELGSYEK  
 CQDLRTLKRRKHHRFILLRSPGNKVSDFIKFQAPSGEEKESWIKALNEGINRGKNAFDEVKVDKTCALAH  
 VTRNRVRGGQRRRPPTRIHLEKAVASADGLSRLDLVDPDSGPPVFAPLSDISEDQPQEPFRALMPPVKP  
 SPGPETSAVEDSKETPAGERALTPDSASSGANPESQEDAETPAKEDSDVKSLEPNSTLSEKLVSWENPSP  
 EKPSAPESAQLSSSETPEATPRESKPPAPPKILSEKMKACMSGVDASGSSQSSEAPETTSPEPTQVSV  
 NGMDDGPESALQAMGIPGAPEDAAAAPALPFDLPSQFHPRSSSLGDLRESQHPRLPKKLYRAQLE  
 VKVASKQTEKLLNQVLGSEPPPVCAESLLSQAVEQLRQATQVLQEMRDLGELNQEPTGLVQKRKELVTLY  
 RRSAP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul



**Plasmid Map:**


**ACCN:** NM\_153119

**ORF Size:** 1485 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:** 3327 bp

**RefSeq ORF:** 1488 bp

**Locus ID:** 102595

**UniProt ID:** [Q8K124](#)

**Cytogenetics:** 9 C