

Product datasheet for **MG219603**

Plekhd1 (NM_001177503) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekhd1 (NM_001177503) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plekhd1
Synonyms:	3830431G21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG219603 representing NM_001177503
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTTACATCCAAGTCCAACCTCCGTGTCGCCATCGCCGTCCTGGAGCAGGCGGACGCGGACGCGCTGG
 ACATCAGACACAAAGTGCAGCTCTACGGGTTCTGTGAAACGGCGTTTCGGGAGATCCTCGGCCAAGTG
 GTCCCGCGGTTTTTCATCATCAAAGAAAGCTTTCTGCTTTACTACTCTGAGAGTGAGAGAAAGAGCTTT
 GAAACCAATAAGTACTTCAATATTCATCCTAAGGGTGTATTCCACTGGGTGGCTGCCTGGTGGAGGCCA
 GAGAAGAGCCAGTATGCCCTATGCCATGAAGATCTCACACCAGGACTTCCATGGGAATGTCTTGTGGC
 TGGCGAGTCTGAGTTTGGAGCAGACAAATGGCTGGAGATGTTGCAGGAGTCTGGGAAGGTGACCTGGAAA
 AATGCCAGCTAGGGGAAGCTATGATCAAAAGCCTGGAGGCACAGGGGCTACAGCTGGCTAAGGAAAAGC
 AGGAATATTTAGACAAGCTGATGGAGGAGACAGAAGAACTGTGCCTTCAGAGGGAACAGAGAGAGGAGCT
 TGAGCGCTGAACCAAGTCTGGAGGCCGAGAAACAGCAGTTTGAGGAGGTGGTGAAGAGCTGAGAGTG
 GAGCAGGAGCAGATCAAAAGGGAGCTAGAACTCACTGCAAGATGCCTCAAGGGCGTGGAACAAGAGAAGA
 AGGAGCTGAGACACCTCAGAGTCTTACAGCATAACGCTGGAGGAACTCTCCATAGAGAAGAAGAAAAC
 CCTAGAGATGCTGGAGGAAGATAAGAACCAGCCACAGCCCTTGACCAACCAGAGTGAGCAGCCACCGGCC
 AGTGATGGTCTCCATAGCAACCTCAGGCAGATCGAAGAGCGGATGCAGGAGCTATTGGCGGAGAAGCTTC
 TGGCTGAGAAGCGGATGAAGGAGAATGAGGAACGCTCTCGGGCTCTGGAGGAGGAACGGGAATCTACTC
 AAGCCAGTCCCAAGCCCTGCAGAACTCGCTGCAGGAGCTCACTGCAGAGAAGCAGCAGGCGGAGCGGGAA
 CTCAAGGCTGAAGTGAAGTACGCATGGACCTTGAGAGGCGGCTTCGGGAGGCAGAGGCGGCCTTCGGGA
 GCCTGGAACAAGGCCTCAATTCCAAGTTTCGGAACAAGGAGAAGGAAGAACGGATGCGGGCGGACGTGAG
 CCACCTGAAAAGGTTCTTCGAGGAGTGATCCGGAATGCAGAGCTGGAGGCCAAGATGCCGGTATCATATG
 AAGAACTCCGTGTACATCCATAAGGCAGCACTCGCCGATCAAAAGCTGCCGATTCCACCGCCCGCGGT
 CCAGTACTTCTGGAATGACATGAAGCCATCCAGTCTTCATGACCTCCAGCTAGAAGCCAACAACAT
 AGAGGAGCTGAAGGAGGTAGCCAAGCGGCTAAGCAGAGACCAGCGCTCCGGGAATCCATCTATCACATC
 ATGGCTACCCAGCCTGGGGCCTTGCACCTCCCGGGGAGGAAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219603 representing NM_001177503
 Red=Cloning site Green=Tags(s)

MFTSKSNSVSPSPSLEQADADALDISTKVQLYGVLWKRPFGRSSAKWSRRFFIIKESFLLYYSESERKSF
 ETNKYFNIHPKGVIPLGCLVEAREEPSMPYAMKISHQDFHGNVLLAAESEFEQTQWLEMLQESGKVTWK
 NAQLGEAMIKSLEAQLQLAKEKQEYLDKLMEEETEELCLQREQREELERLNQVLEAEKQQFEVVQELRV
 EQEQIKRELELTARCLKGVEQEKELRHLTESLQHTLEELSIEKKKTLEMLEEDKNQPPLTNQSEPPA
 SDGLHSNLRQIEERMQELLAAEKLLAEKRMKENEERSRALEEEREFYSSQSALQNSLQELTAEKQQAERE
 LKAEVKVRMDLERRLREAEALRSLEQLNSKVRNKEEERMADVSHLKRFFEECIRNAELEAKMPVIM
 KNSVYIHKAAATRIKSCRFRHRRSSTSWNDMKPSQSFMTSQLEANNIEELKEVAKRLSRDQRFRESIYHI
 MATQPGASALPRGGK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001177503

ORF Size: 1515 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001177503.1](#), [NP_001170974.1](#)

RefSeq Size: 3527 bp

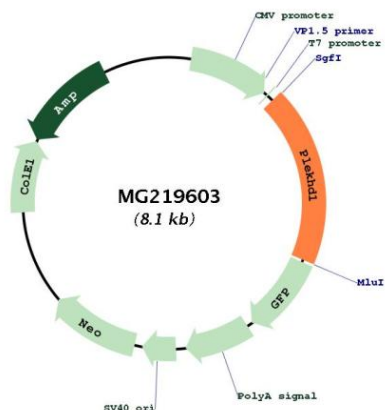
RefSeq ORF: 1518 bp

Locus ID: 217682

UniProt ID: B2RPU2

Cytogenetics: 12 C3

Product images:



Circular map for MG219603