

Product datasheet for **MG200950**

Phlda2 (NM_009434) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Phlda2
Synonyms: Ipl; Tss; Tssc3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG200950 representing NM_009434
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTTCGAAAATCGTGATGTCTTCGAAAACCGTGAAGACCTCCGACGAGATCCTTTGCGAGGGCGAGC
 TGGAGAAGCGAAGCGACAGCCTGTTCCAGGTATGGAAGAAGAAGCGCTGCGTGCCTACCGCCGACCGCCT
 GCGCCTCTTCTCCGGAAAACCGCCCGCAAGGAGCTGTTTTTCCACTCCATCCTCAAGGTGGACTGC
 GTGGAGCACACCTCTAAGTACGTGTACTTCACCATCGTCACCAACTATTACAAGGAGATCGACTCCGCT
 GCACGGTGGAGAGCTGCTGGAACGCGCCATCACCATGGCGCTGATCGACTTCCAGAACCGTCGGGCGCT
 GCAAGACTTTCCCGCTACCGGTATCAGCGCTCTGAGTCTGAAATGCCTTCCGAGCCGGGAGAGCAGAGC
 GCTCTGGGTCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200950 representing NM_009434
 Red=Cloning site Green=Tags(s)

MASKIVMSSKTVKTSDEILCEGELEKRSLSLFQVWKKKRCVLTADRLRLFSGKTSAPAKELFFHSILKVDK
 VEHTSKYVYFTIVTNYEIDFRCTVESCWNAITMALIDFQNRRLQDFPRYRQRSESEMPSEPEQES
 ALGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_009434

ORF Size: 432 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_009434.2](#), [NP_033460.1](#)

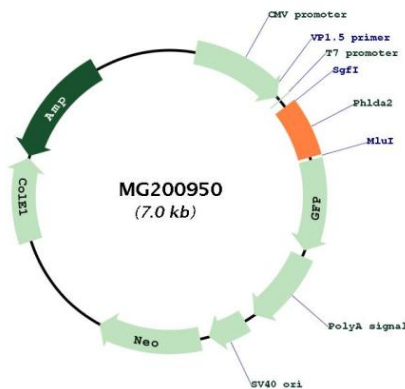
RefSeq Size: 737 bp
RefSeq ORF: 435 bp
Locus ID: 22113

UniProt ID: [O08969](#)

Cytogenetics: 7 88.23 cM

Gene Summary: This gene is one of several genes in the imprinted gene domain on chromosome 7. Studies using knockout mice have shown that the product of this gene regulates placental growth. Transcripts from this gene are most abundant in placenta and yolk sac, and are almost entirely transcribed from the maternal allele. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MG200950