

Product datasheet for **MG201585**

Prnd (BC025140) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prnd (BC025140) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Prnd
Synonyms: Dpl, PrPLP, doppel
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201585 representing BC025140
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGAACCGGCTGGGTACATGGTGGGTGCCATCCTCTGCATGCTGCTTGCCAGCCACCTCTCCACGG
 TCAAGGCAAGGGGCATAAAGCACAGGTTCAAGTGAACCGGAAGGTCCTGCCAGCAGCGGCCGAGAT
 CACCGAAGCTCGGGTAGCTGAGAACCGCCAGGAGCCTTCATCAAGCAAGGCCGGAAGCTGGACATCGAC
 TTTGGAGCAGAGGGCAACAGTACTACGCGCTAACTATTGGCAGTTCCTGATGGGATCTACTACGAAG
 GCTGCTCTGAAGCAACGTGACCAAGGAGATGCTGGTGACCAGCTGCGTCAACGCCACCCAGGCGGCCAA
 CCAGGCTGAGTTCTCCCGGAGAAGCAGGATAGCAAGCTCCACCAGCGAGTCTGTGGCGGCTGATCAAA
 GAGATCTGCTCCGCCAAGCACTGCGATTTCTGGCTGGAAGGGGAGCTGCGCTTCGGGTCCGCTGGACC
 AACCGCGATGGTCTGCCTGCTGGGTTTCGTTTGGTTCATTGTGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201585 representing BC025140
 Red=Cloning site Green=Tags(s)

MKNRLGTWWVAILCMLLASHLSTVKARGIKHRFKWNRKVLPSGGQITEARVAENRPGAFIKQGRKLDID
 FGAEGNRYYAANYWQFPDGIYYEGCSEANVTKEMLVTSVCVNATQAANQAEFSREKQD SKLHQRVLRWRLIK
 EICSAKHCFWLERGAALRVAVDQPAMVCLLGFVWFIVK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC025140

ORF Size: 539 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: [BC025140](#), [AAH25140](#)

RefSeq Size: 1929 bp

RefSeq ORF: 539 bp

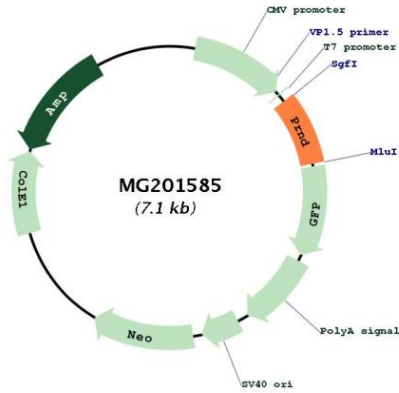
Locus ID: 26434

Cytogenetics: 2 64.07 cM

Gene Summary:

Required for normal acrosome reaction and for normal male fertility (PubMed:12110578, PubMed:15161660, PubMed:15007175). Can bind Cu(2+) (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201585