

Product datasheet for **MR228312**

Prnd (NM_001278520) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Prnd
Synonyms:	AI450264; doppel; Dpl; PrPLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR228312 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGAACCGGCTGGGTACATGGTGGGTGGCCATCCTCTGCATGCTGCTTGCCAGCCACCTCTCCACGG
TCAAGGCAAGGGGCATAAAGCACAGGTTCAAGTGAACCGGAAGGTCCTGCCAGCAGCGCGGCCAGAT
CACCGAAGCTCGGGTAGCTGAGAACCGCCAGGAGCCTTCATCAAGCAAGGCCGGAAGCTGGACATCGAC
TTTGGAGCAGAGGGCAACAGGTACTACGCGGCTAACTATTGGCAGTTCCTGATGGGATCTACTACGAAG
GCTGCTCTGAAGCCAACGTGACCAAGGAGATGCTGGTGACCAGCTGCGTCAACGCCACCCAGGCGGCCAA
CCAGGCTGAGTTCTCCCGGGAGAAGCAGGATAGCAAGCTCCACCAGCGAGTCTGTGGCGGCTGATCAAA
GAGATCTGCTCCGCCAAGCACTGCGATTTCTGGCTGGAAGGGGAGCTGCGCTTCGGGTCGCCGTGGACC
AACCGCGATGGTCTGCCTGCTGGTTCGTTTGGTTTCATTGTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228312 protein sequence
Red=Cloning site Green=Tags(s)

MKNRLGTWWVAILCMLLASHLSTVKARGIKHRFKWNRKVLPSGGQITEARVAENRPGAFIKQGRKLDID
FGAEGNRYAANYWQFPDGIYYEGCSEANVTKEMLVTSVCVNATQAANQAEFSREKQDSKLRVLRWRLIK
EICSAKHCDFWLERGAALRVAVDQPAMVCLLGFWFIVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001278520

ORF Size: 537 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:

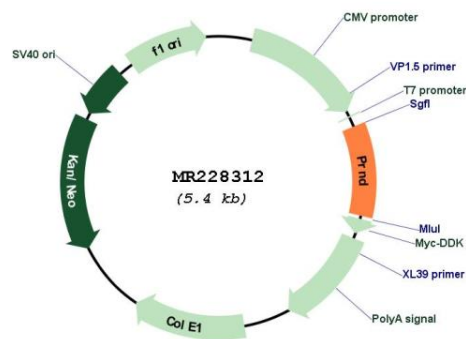
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001278520.1](#), [NP_001265449.1](#)

RefSeq Size: 1919 bp

RefSeq ORF:	540 bp
Locus ID:	26434
UniProt ID:	Q9QUG3
Cytogenetics:	2 64.07 cM
MW:	20.4 kDa
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 MR228312