

## Product datasheet for **MR225289**

### Prop1 (NM\_008936) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prop1 (NM_008936) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prop1
Synonyms:	df; Prop-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225289 representing NM_008936 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGCTCAAAGAAGGAGCCATCAGGAAAAGCAAACGAAGGGTCATGCCTGTGGCCGATCCCTGCCTG  
AGCCACGAGTGGCCTCTGGGACTCTGATCTCCACGGTAGACAGGAGCTCTGAGGCTTATAGGAGGCTCTC  
TGGTACAGAGCTGGGGAGACCTAAGCTTTGCCACAGAGAGGCCGTCCCCACTCCCGGCCGCCACCGC  
ACCACCTCAACCAGCACAGCTGGAACAGCTGGAGTCAGCCTTTGGGAGGAACCAAGTATCCTGACATCT  
GGGCTCGAGAGGGGCTTGCCCAAGACACTGGCCTCAGTGAAGCCAGAATCCAGGTCTGGTCCAGAACCG  
CAGGGCTAAGCAACGGAAGCAAGAGCGGTCACTTCTCCAGCCGATAGCCATCTATCTACGCCACCTTC  
TCTGGCTTCTTGCCAGAATCCTCTGCCTATCCCTACACCTATGGGACACCACCTCCACCAGCGCCCTGCT  
TCCCTCATCCCTACAGCCACTCTCTCCCTCCAGCCCTCTACGGCTGCCTCACTCGCTCTTCTCCCA  
GCCTGAGGACTGGTACCCACCTTGACCCAGCCCCCACTGGTCATCTGCCCTGTCCCCACCCCAACC  
ATGTTTCCCCTCAGCCTTGAGACGCCAAAGTCTTGAAC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR225289 representing NM\_008936  
Red=Cloning site Green=Tags(s)

MEAQRRSHQEKQTKGHACGRSLPEPRVASGTLISTVDRSSEAYRRLSGTELGRPCLKPQRGRPHSRRRHR  
 TTFNPAQLEQLESAFGRNQYPDIWAREGLAQDTGLSEARIQVWFQNRRAKQRKQERSLLQPIAHLSTATF  
 SGFLPESSAYPTYGTTPPPAPCFHPYSHSLPSQPSTAASLALPPQPEDWYPTLHPAPTGHLPCCPPPP  
 MFPLSLETPKSWN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9076\\_a10.zip](https://cdn.origene.com/chromatograms/mm9076_a10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008936

**ORF Size:** 669 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\\_008936.2](#)

**RefSeq Size:** 1000 bp

**RefSeq ORF:** 672 bp

**Locus ID:** 19127

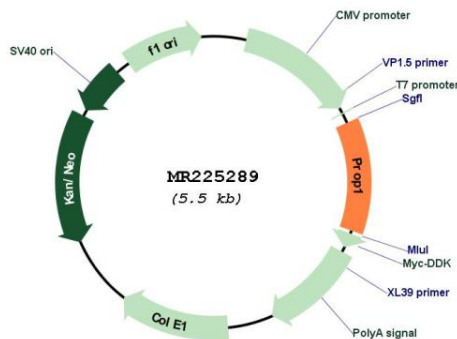
**UniProt ID:** [P97458](#)

**Cytogenetics:** 11 30.95 cM

**MW:** 25 kDa

**Gene Summary:** Possibly involved in the ontogenesis of pituitary gonadotropes, as well as somatotropes, lactotropes and caudomedial thyrotropes.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR225289