

Product datasheet for **MG225289**

Prop1 (NM_008936) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prop1 (NM_008936) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prop1
Synonyms:	df; Prop-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225289 representing NM_008936 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGCTCAAAGAAGGAGCCATCAGGAAAAGCAAACGAAGGGTCATGCCTGTGGCCGATCCCTGCCTG
AGCCACGAGTGGCCTCTGGGACTCTGATCTCCACGGTAGACAGGAGCTCTGAGGCTTATAGGAGGCTCTC
TGGTACAGAGCTGGGAGACCTAAGCTTTGCCACAGAGAGGCCGTCCCACTCCCGGCCGCCACCGC
ACCACCTCAACCAGCACAGCTGGAACAGCTGGAGTCAGCCTTTGGGAGGAACCAAGTATCCTGACATCT
GGGCTCGAGAGGGGCTTGCCCAAGACACTGGCCTCAGTGAAGCCAGAATCCAGGTCTGGTCCAGAACCG
CAGGGCTAAGCAACGGAAGCAAGAGCGGTCACTTCTCCAGCCGATAGCCATCTATCTACGCCACCTTC
TCTGGCTTCTTGCCAGAATCCTCTGCCTATCCCTACACCTATGGGACACCACCTCCACCAGCGCCCTGCT
TCCCTCATCCCTACAGCCACTCTCTCCCTCCAGCCCTCTACGGCTGCCTCACTCGCTCTTCTCCCA
GCCTGAGGACTGGTACCCACCTTGACCCAGCCCCCACTGGTCATCTGCCCTGTCCCCACCCCAACC
ATGTTTCCCTCAGCCTTGAGACGCCAAAGTCTGGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG225289 representing NM_008936
 Red=Cloning site Green=Tags(s)

MEAQRSSHQEKQTKGHACGRSLPEPRVASGTLISTVDRSSEAYRRLSGTELGRPCLCPQRGRPHSRRRHR
 TTFNPAQLEQLESAFGRNQYPDIWAREGLAQDTGLSEARIQVWFQNRRAKQRKQERSLLQPIAHLSTATF
 SGFLPESSAYPTYGTTPPPAPCFHPYSHSLPSQPSTAASLALPPQPEDWYPTLHPAPTGHLPCCPPPPP
 MFPLSLETPKSWN

TRTRPLE - GFP Tag - V

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

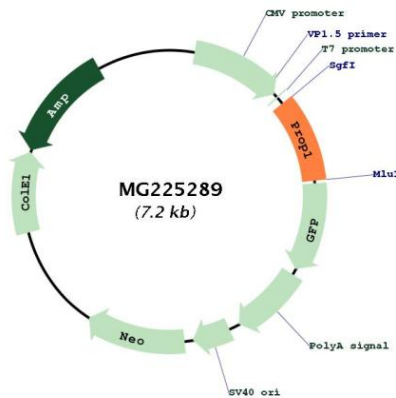
Locus ID: 19127

UniProt ID: [P97458](#)

Cytogenetics: 11 30.95 cM

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 MG225289