

## Product datasheet for **MC218165**

### Enc1 (NM\_007930) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Enc1 (NM_007930) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Enc1
Synonyms:	Nrpb; PIG10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC218165 representing NM\_007930  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCAGTCAGTGTGCATGAGAACCGAAGTCCAGGGCCAGCAGTGGCTCCATCAACATCTACCTGTTTC  
 ATAAGTCCTCCTACGCGGACAGCGTTCTCACTCACCTGAACCTTCTGCGTCAGCAGCGGCTTTCACAGA  
 TGTCTTCTCCATGCGGGAAACAGGACCTTCCCTTGCCACCGGGCAGTGTGGCTGCGTGACGCCGTAC  
 TTCGAAGCCATGTTCAAGTGGTGGCTGAAAGAGAGCCAGGACAGTGAAGTGAACCTCGACAATCCATCC  
 ACCCAGAAGTCTTAGAGCTGTTCTAGACTACGCATACTCTCCCGGTCATTATCAATGAAGAAAATGC  
 TGAGTCGCTCCTGGAGGCTGGTACATGCTGGAGTCCAGGACATCAGAGATGCGTGTGCAGAAATTTCTA  
 GAGAAGAACCATGCCACCAACTGCCTGGGTATGCTGCTGTTGTCTGATGCCACCAGTGCACCAAGC  
 TGTACGAACCTCCTGGAGAATGTCTCAGCAACTTCAAACCATTGGAAGAACAAGATTTCTCCCA  
 GTTGCCCAAGGACATGGTTGTGCAGCTGCTGTCCAGTGAAGAATGGAGACGGAAGACGAAAGGCTGGT  
 TATGAGTCTGCGATGAACTGGATCAGCTATGACCTGAAGAAGCGCTACTGTTACCTCCCGGAACGTTGC  
 AGACAGTGAAGGCTGGCCCTCCTTCTGCCATCTATCTCATGGAGAACGTGGCGATGGAAGAATCATCAC  
 CAAGCAGAGAAAGAGTAAGGAGATCGTGGAAAGAGGCCATCAGGTGCAAACTAAAAATCTTACAGAATGAC  
 GGCGTGGTACCAGTCTCTGTGCTCGTCTCGGAAAATGGCCATGCCCTGTTCTCCTGGGAGGGCAGA  
 CTTTATGTGTGACAACTGACTTGGTAGACCAGAAGGCTAAAGAAATCATTCCCAAGGCTGACATTCC  
 CAGCCCGAGGAAAGAGTTCAGCGCATGTGCAATTGGCTGCAAAGTATATATTACTGGGGGGCGGGATCA  
 GAGAACGGAGTCTCAAAGATGTCTGGGTTTACGATACCCTGCATGAGGAGTGGTCCAAGGCTGCCCCCA  
 TGCTGGTGGCCAGGTTTGGCCATGGATCTGCTGAACTGAAGCACTGCCTCTATGTAGTCGGTGGCACAC  
 AGCTGCAACTGGCTGCCCTCCAGCCTCCCTCGGTCTCCCTAAAGCAAGTAGAACAGTATGACCCACA  
 ACCAACAAATGGACCATGGTAGCCCACTCCGCGAAGGTGTCAGCAATGCTGCTGTAGTGAAGTGCACAA  
 TTAAGCTGTTTGTCTTGGGGTACCAGTGTGAGCCACGACAAGCTGCCCAAGGTTCAAGTGTACGATCA  
 ATGCGAGAACAGATGGTCAAGTGGCAGTCCCGCCACCTGTCCCAAGGCTGGCGTTACACAGCCGAGCTGTGCTG  
 GGAAACCAGATTTTTATCATGGTGGAGATACAGAGTCTCTGCCTGCTCCGTTACAAATTCATAGT  
 AGACTTACCAGTGGACCAAGGTTGGAGATGTGACAGCCAAAGCGCATGAGCTGCCACGCCGTCGGCTCCGG  
 GAACAAGCTTTACGTAGTTGGAGGTTACTCGGCATTACAGCGCTGCAAGACTTTGGACTGTTACGACCCA  
 ACTTTAGATGTGTGGAACAGCATAACCAGTGTCCCTACTCTCTGATCCCTACTGCATTCGTCAGCACCT  
 GGAAACACCTGCCTTCC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_007930
- Insert Size:** 1770 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_007930.4](#), [NP\\_031956.3](#)

**RefSeq Size:** 4752 bp

**RefSeq ORF:** 1770 bp

**Locus ID:** 13803

**UniProt ID:** [O35709](#)

**Cytogenetics:** 13 D1

**Gene Summary:** Actin-binding protein involved in the regulation of neuronal process formation and in differentiation of neural crest cells. Down-regulates transcription factor NF2L2/NRF2 by decreasing the rate of protein synthesis and not via a ubiquitin-mediated proteasomal degradation mechanism (By similarity).[UniProtKB/Swiss-Prot Function]