

Product datasheet for **MG209184**

Enc1 (BC058098) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enc1 (BC058098) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Enc1
Synonyms:	Nrpb; PIG10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209184 representing BC058098
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGTCAGTGTGCATGAGAACCAGTCCAGGGCCAGCAGTGGCTCCATCAACATCTACCTGTTTC
 ATAAGTCCTCCTACGCGGACAGCGTTCTCACTCACCTGAACCTTCTGCGTCAGCAGCGGCTTTCACAGA
 TGTCTTCTCCATGCGGGAAACAGGACCTTCCCTTGCCACCGGGCAGTGTGGCTGCGTGACGCCGTAC
 TTCGAAGCCATGTTCAAGTGGTGGCTGAAAGAGAGCCAGGACAGTGAAGTGAACCTCGACAATCCATCC
 ACCCAGAAGTCTTAGAGCTGTTCTAGACTACGCATACTCTCCCGGTTCATTATCAATGAAGAAAATGC
 TGAGTCGCTCCTGGAGGCTGGTACATGCTGGAGTTCAGGACATCAGAGATGCGTGTGCAGAAATTTCTA
 GAGAAGAACCATGCCACCAACTGCCTGGGTATGCTGCTGTTGTCTGATGCCACCAGTGCACCAAGC
 TGTACGAATCTCTGGAGAATGTCTCAGCAACTTCAAACCATTGGAAGAACAAGATTTCTCCCA
 GTTGCCCAAGGACATGGTTGTGCAGCTGCTGTCCAGTGAAGAATGGAGACGGAAGACGAAAGGCTGGT
 TATGAGTCTGCGATGAATGGATCAGCTATGACCTGAAGAAGCGCTACTGTTACCTCCCGGAATGTTGC
 AGACAGTGAAGGCTGGCCCTCCTTCTGCCATCTATCTCATGGAGAACGTGGCGATGGAAGAACTCATCAC
 CAAGCAGAGAAAGAGTAAGGAGATCGTGGAAAGAGGCCATCAGGTGCAAACTAAAAATCTTACAGAATGAC
 GGCGTGGTACCAGTCTCTGTGCTCGTCTCGGAAAATGGCCATGCCCTGTTCTCCTGGGAGGGCAGA
 CTTTATGTGTGACAACTGACTTGGTAGACCAGAAGGCTAAAGAAATCATTCCCAAGGCTGACATTCC
 CAGCCCGAGGAAAGAGTTCAGCGCATGTGCAATTGGCTGCAAAGTATATATTACTGGGGGGCGGGATCA
 GAGAACGGAGTCTCAAAGATGTCTGGGTTTACGATACCCTGCATGAGGAGTGGTCCAAGGCTGCCCCCA
 TGCTGGTGGCCAGGTTTGGCCATGGATCTGTGAACCTGAAGCACTGCCTCTATGTAGTCGGTGGCCAC
 AGCTGCAACTGGCTGCCTCCAGCCTCCCTCGGTCTCCCTAAAAGCAAGTAGAACAGTATGACCCACAC
 ACCAACAAATGGACCATGGTAGCCCACTCCGCGAAGGTGTCAGCAATGCTGCTGTAGTGAAGTGCACAA
 TTAAGCTGTTTGTCTTGGGGTACCAGTGTGAGCCACGACAAGCTGCCCAAGGTTCAAGTGTACGATCA
 ATGCGAGAACAGATGGTCAAGTGGCCACCTGTCCCAAGGTTACACAGCCGAGCTGTGCTG
 GGAAACCAGATTTTTATCATGGTGGAGATACAGAGTCTCTGCCTGCTCCGTTACAAATTCATAGT
 AGACTTACCAGTGGACCAAGTGGGAGATGTGACAGCCAAGCGCATGAGCTGCCACGCCGTGGCGTCCGG
 GAACAAGCTTTACGTAGTTGGAGGTTACTCGGCATTACGCGCTGCAAGACTTTGGACTGTTACGACCCA
 ACTTTAGATGTGTGGAACAGCATAACCACTGTTCCCTACTCTGATCCCTACTGCATTCGTCAGCACCT
 GGAAACACCTGCCTTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209184 representing BC058098
 Red=Cloning site Green=Tags(s)

MSVSVHENRKSASSGSINIYLFHKSSYADSVLTHLNLLRQQLFTDVLHAGNRTFPCHRAVLAACSR
 FEAMFSGGLKESQDSEVNFNSIHPEVLELLLDYAYSSRVIINEENAESLLEAGDMLEFQDIRDACA
 EFLKLNHPTNCLGMLLLSDAHQCTKLYELSWRMCLSNFQIRKNEFLQLPQDMVVQLLSSELETE
 DERLVYESAMNWSYDLKKRYCYLPELLQTVRLALLPAIYLMENVAMEELITKQRKSKEIVEEAI
 RCKLKLQNDGVVTSLCARPRKTGHAFLLGGQTFMCDKLYLVDQKAKEIIPKADIPSPRKEFS
 SACAIIGCKVYITGGRSENGYSKDVVYDYLHEEWSKAAPMLVARFHGSAELKHCLYVVGHTAAT
 GCLPASPSVSLKQVEQYDPTTNKWTMVAPLREGVSNAAVVSARKLKFAGGTSVSHDKLPK
 VQCYDQCENRWSVPATCPQPWRYTAAAVLGNQIFIMGGDTEFSACSAKFNSEYQWTKV
 GVDVTAKRMSCHAVASGNKLYVVGYYFGIQRCKTLDCYDPTLQVWNSITTPYSLIPTAFV
 STWKHLPS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC058098

ORF Size: 1769 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: [BC058098](#), [AAH58098](#)

RefSeq Size: 4695 bp

RefSeq ORF: 1769 bp

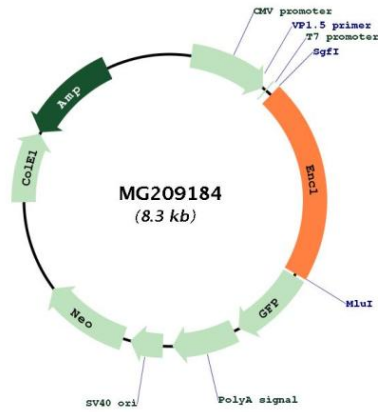
Locus ID: 13803

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]

Product images:



Circular map for MG209184