

Product datasheet for **MG209850**

Punc (BC086481) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Punc (BC086481) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Punc
Synonyms:	2810401C09Rik; AI851425; Punc; WI-14920
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209850 representing BC086481
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGAGCCGCGCACCGCGTCCCCGCGCCGCTGCCGCGCTGCGCCGGCCGGTCTTCTGCCGCGT
 TGCTGCCGCCGCGCCGCGCCGCTGCTGTTGCTGCTGCTGTTGCCGCTGCCTGCGCCAAGCCTGGG
 TCTGGGCCATTCTGCTGAACTGGCATTCTTCTGTGGAGCCAAATGATGATATTGCCAACCTGGGCAGCC
 ATAGTGCTGGGCTGCAAAGTGGAGGGCACCCCTCCAGTGCAAGTCTCCTGGAGGAAGAATGGAGCAGAGC
 TACCAGAGGGCACCCACCACTCTGCTGGCCAATGGCTCCTTGCTGATCCACCACTTCAGGCTGGAGCA
 AGGAGGTAGCCCTTCAGATGAGGGTGACTATGAATGTGTGGCTCAGAACCCTTTGGGCTGCTGGTCAGT
 CGGAAGGCTCGTCTCCAGGCTGCAACTATGTCCGACTTCCACGTACACCCAGGCCGTCACGGGTGAGG
 AGGGTGGTGTGGCCGATTCCAGTGCCAAATCCATGGGCTTCCAAGCCCTGATCAGTGGGAGAAAGAA
 CAGAGTCCCATTGACACGGACGATGAGAGGTACACACTACTGCCAAGGGAGTCTGCAGATAACAGGA
 CTTCCGGGCTGAGGACAGCGGCATCTTCCACTGTGTGGCCTCAAACATTGCTAGTGTGCGGGTCAGCCACG
 GGGCCAGGCTCACTGTGTGAGGCTCGGGCTCAGGGACCTACAAGGAGCCACCATTCTTGTGGGGCTGA
 GAACCTCACCTGACAGTGCACCAGACTGCGGTGCTGGAGTGTGTGCCACGGGCAACCCGCGCCCAT
 GTGTCCTGGAGCCGCTTGGATGGCCGCCCATTTGGGGTGGAGGGCATCCAGGTGCTGGGCACAGGAAACC
 TTATCATCTCAGATGTGACTGTCCAGCATTGAGGTGTCTATGTCTGTGCAGCCAACAGGCCCTGGCACCCG
 GGTGAGAAGGACGGCCAGGGTGGGCTGGTGGTACAAGCTCCAGCAGAGTTTGTTCAGCATCCCCAGTCC
 ATCTCCAGGCCTGCTGGGACCACAGCCATGTTACCTGCCAAGCGAGGGGGAGCCACCGCCTCATGTCA
 CATGGTTGAAGAATGGACAAGTGTGGGGCAGGAGGCCATGTCAGGCTCAAGAACAATAACAGCACACT
 GAGCATTCTGGAGTCGGACCTGAAGATGAGGCCATCTACCAATGTGTGGCTGAGAACATTGCTGGCTCG
 TCGCAAGCCAGCCAGGCTGACCGTGTGTGGGCTGAGGGTTGCCAGGCCCCACGCAATGTCCGAG
 CTGTCTGTGTCTCCACTGAAGTTCGAGTGTCTGGAGTGTGCTGAGCCTTGGCCACACCAAGAGATCAT
 TGGCTATGTCTTGACATCAGGAAGGCTGCCGACTCACCAAGCTAGAGTACCAGGAAGCTGTCAGCAAG
 AGCACCTTTCAGCACCTGGTGTGAGAGCCTTGTGAGCCTCCACTGCCTACAGCTTCTACATCAAAGCCTACA
 CACCACGAGGGGCCAGTTTAGCCTCTGTCCCACCCTGGCCAGCACCTGGGTGAAGCCCTGTCCCACC
 CCCATTATCTGTGCGGTTGCTGGGAGCTCCTCTACAAGTGTATGGAAGCCCTGGCCACGGCTGGCC
 CAACACAATGGAGGCTTCAAGCTGTTTTACCGCCAGTCAGTGAACCTCCTTCACTGGCCCATCTTGC
 TCCTGGGACTGTCTCCTTACAACTCAGCCAGCTTGACCCAGCACCGTGTACGAGGTGAAGCTCCT
 GGCTACAACCAGCATGGAGATGAAAACGCCACGGTCCGATTTGTGTCTGAAGGGAGCCTCTGAGGAC
 AGGCATTGTTATCGGCATCCACATCGGAGTCACCTGCATCATCTTCTGCGTCTTCTTCTGTTTGGC
 CAGAGGGCAGGGTCTCCTGTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209850 representing BC086481
 Red=Cloning site Green=Tags(s)

MAEPRTASPRRLPALRRPGFLPPLLPPPPPLLLLLLLLLLPLPAPSLGLGHSALAFSVEPNDDIANPGQP
 IVLGCKVEGTPPVQVSWRKNGAELPEGTHHTLLANGSLLIHHFRLEQGGSPSDEGDYECVAQNRFGLLVS
 RKARLQAATMSDFHVHPQAVTGEEGGVARFQCQIHGLPKPLITWEKNRVPIDTDDERYTLLPKGVLQITG
 LRAEDSGIFHCVASNIASVRVSHGARTVSGSGSGTYKEPTILVGPENLTLTVHQTAVLECVATGNPRPI
 VSWRDLGRPIGVEGIQVLGTGNLIISDVTVQHSYVCAANRPGTRVRRTAQGRLVVQAPAEFVQHPQS
 ISRPA GTTAMFTCQAQGEPPPHVTWLKNGQVLGAGGHVRLKNNNSTLSISGVGPEDEAIYQVAENIAGS
 SQASARLTVLWAEGLPGPPRNVRAVSVSSTEVRVSWSEPLAHTKEIIGYVLHIRKAADSPKLEYQEAVSK
 STFQHLVRDLEPSTAYSFYIKAYTPRGASLASVPTLASTLGEAPVPPPLSVRLLGSSSLQLLWKPWPRLA
 QHNGGFKLFYRPVSATSF TGPILLPGTVSSYNLSQLDPSTVYEVKLLAYNQHDGNATVRFVSLKGA SED
 RHCYRHPHRSHLHLLRPLSSVWPEGGPPV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC086481

ORF Size: 1985 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: [BC086481](#), [AAH86481](#)

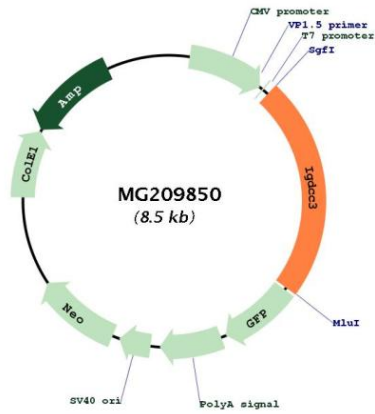
RefSeq Size: 3140 bp

RefSeq ORF: 1985 bp

Locus ID: 19289

Cytogenetics: 9 35.13 cM

Product images:



Circular map for MG209850