

Product datasheet for **MR210783**

Punc (BC053057) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Punc (BC053057) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Punc |
| Synonyms: | 2810401C09Rik; AI851425; Punc; WI-14920 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR210783 representing BC053057
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGAGCCGCGCACCGCGTCCCCGCGCCGCTGCCGCGCTGCGCCGCGCCGGTCTTCTGCCGCGT
 TGCTGCCGCCGCGCCGCGCCGCTGCTGTTGCTGCTGCTGTTGCCGCTGCCTGCGCCAAGCCTGGG
 TCTGGGCCATTCTGCTGAACTGGCATTCTTCTGTGGAGCCAAATGATGATATTGCCAACCTGGGCAGCCC
 ATAGTGTGGGCTGCAAAGTGGAGGGCACCCCTCCAGTGAAGTCTCCTGGAGGAAGAATGGAGCAGAGC
 TACCAGAGGGCACCCACCACTCTGCTGGCCAATGGCTCCTTGCTGATCCACCCTTACAGGCTGGAGCA
 AGGAGGTAGCCCTTCCAGTGAAGGTGACTATGAATGTGTGGCTCAGAACCCTTTGGGCTGCTGGTCAGT
 CGGAAGGCTCGTCTCCAGGCTGCAACTATGTCCGACTTCCACGTACACCCAGGCGCTCACGGGTGAGG
 AGGGTGGTGTGGCCGCTTCCAGTGCCAAATCCATGGGCTTCCCAAGCCCTGATCAGTGGGAGAAAGAA
 CAGAGTCCCATTGACACGGACGATGAGAGGTACACACTACTGCCAAGGGAGTCTGCAGATAACAGGA
 CTTCCGGGCTGAGGACAGCGGCATCTTCCACTGTGTGGCCTCAAACATTGCTAGTGTGCGGGTCAGCCACG
 GGGCCAGGCTCACTGTGTGAGGCTCGGGCTCAGGGACCTACAAGGAGCCACCATTCTTGTGGGGCTGA
 GAACCTCACCTGACAGTGCACCAGACTGCGGTGCTGGAGTGTGTGCGCCAGGGCAACCCGCGCCCAT
 GTGTCTGGAGCCGCTTGGATGGCCGCCCATTTGGGGTGGAGGGCATCCAGGTGCTGGGCACAGGAAACC
 TTATCATCTCAGATGTGACTGTCCAGCATTGAGGTGTCTATGTCTGTGCAGCCAACAGGCTGGCACCCG
 GGTGAGAAGGACGGCCAGGGTGGGCTGGTGGTACAAGCTCCAGCAGAGTTTGTTCAGCATCCCCAGTCC
 ATCTCCAGGCTGCTGGGACCACAGCCATGTTACCTGCCAAGCGCAGGGGGAGCCACCCGCTCATGTCA
 CATGGTTGAAGAATGGACAAGTGTGGGGCAGGAGGCCATGTGAGGCTCAAGAACAATAACAGCACACT
 GAGCATTCTGGAGTCGGACCTGAAGATGAGGCCATCTACCAATGTGTGGCTGAGAACATTGCTGGCTCG
 TCGCAAGCCAGCCAGGCTGACCGTGTGTGGGCTGAGGGTTGCCAGGCCCCACGCAATGTCCGAG
 CTGTCTGTGTCTCCACTGAAGTTCGAGTGTCTGGAGTGTGAGCCTTGGCCACACCAAGAGATCAT
 TGGCTATGTCTTGACATCAGGAAGGCTGCCGACTCACCAAGCTAGAGTACCAGGAAGCTGTCAGCAAG
 AGCACCTTTCAGCACCTGGTGTGAGAGCTTGTGAGCCTCCACTGCCTACAGCTTCTACATCAAAGCCTACA
 CACCACGAGGGGCCAGTTTAGCCTCTGTCCCACCCTGGCCAGCACCTGGGTGAAGCCCTGTCCCACC
 CCCATTATCTGTGCGGTTGCTGGGAGCTCCTCTACAAGTGTATGGAAGCCCTGGCCAGGCTGGCC
 CAACACAATGGAGGCTTCAAGCTGTTTTACCGCCAGTCAAGTCAACCTCCTTCACTGGCCCATCTTGC
 TCCTGGGACTGTCTCCTTACAACTCAGCCAGCTTACCCAGCACCGTGTACGAGGTGAAGCTCCT
 GGCTACAACCAGCATGGAGATGGAACGCCACGG[AT]CCGATTTGTGTCTCTGAAGGGAGCCTCTGAG
 AGGACAGCCCTGACTCCCCATGTGACTGCCGGAAGGAAGATGTCACCAACCATACGTCCACTACAGGCA
 TTGTTATCGGCATCCACATCGGAGTCACTGCATCATCTTCTGCGTCTCTTTCTTCTGTTTGGCCAGAG
 GGGCAGGGTCTCCTGTGTAAGGATGTGGAACACAGCTCTCCCTCCCCAGGGTCCCCGGAGCCAGAGG
 GACCCTGGTATCCTGGCCCTGAATGGACTGAGCCGAGGAGAAGGGGGCCAGCTGAGCCGAGATGAAAAGC
 CGGTGGACGCCAAGGAGTTGGAACAGCTGTTTCCACAGCTGGGTGAGTGCACAGCCAGGCTCCACACC
 CACGGATCCTGCAGCCCTGCTCCATGTGAGGAGACCCAGCTCCTCATGGTTCAGCTTCAAGGCTTCAAC
 CTTGTGGCAGGGAGGACAACAGAGGCCACGTCCCCTGTGAGGGCCTGGGCTGTCCCAGCACCCAGG
 ATATAGGCCCTGTCCCCTCAGTGAAGGACAGACCCAGCCTCCAGCAGTGCAGCACCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210783 representing BC053057
Red=Cloning site Green=Tags(s)

MAEPRTASPRRLPALRRPGFLPPLLPPPPPLLLLLLLLLLPLPAPSLGLGHS AELAFSVEPNDDIANPGQP
IVLGCKVEGTPPVQVSWRKNGAELPEGTHHTLLANGSLLIHHFRLEQGGSPSDEGDYECVAQNRFGLLVS
RKARLQAATMSDFHVHPQAVTGEEGGVARFQCQIHGLPKPLITWEKNRVPIDTDDERYTLLPKGVLQITG
LRAEDSGIFHCVASNIASVRVSHGARLTVSGSGSGTYKEPTILVGPENLTLTVHQTAVLECVATGNPRPI
VSWRDLGRPIGVEGIQVLGTGNLIISDVTVQHSYVCAANRPGTRVRRTAQGRLLVQAPAEFVQHPQS
ISRPAGTTAMFTCQAQGEPPPHVTWLKNGQVLGAGGHVRLKNNNSTLSISGVGPEDEAIYQCVAENIAGS
SQASARLTVLWAEGLPGPPNRVRAVSVSSTEVRVSWSEPLAHTKEIIGYVLHIRKAADSPKLEYQEAVSK
STFQHLVRDLEPSTAYSFYIKAYTPRGASLASVPTLASTLGEAPVPPPLSVRLGSSSLQLLWKPWPRLA
QHNGGFKLFYRPVSATSFTGPILLPGTVSSYNLSQLDPSTVYEVKLLAYNQHGDGNATXXRFVSLKGASE
RTALTPPCDCRKEDVTNHTSTTGIVIGIHIHVTCIIFCVLFLFQGRVLLCKDVENQLSPPQGPRSQR
DPGILALNGLSRGEGQLSRDEKPVDAKELEQLFPTAGSAAQPGSTPTDPAAPAPCEETQLSMVQLQGFN
LVAGRTTEATSPCAGPGVPAPQDIGVPLSEGQTQPPAVAAPQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9012_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC053057

ORF Size: 2442 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: [BC053057.1](#)

RefSeq Size: 3198 bp

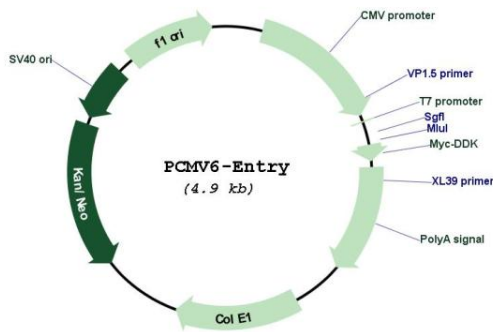
RefSeq ORF: 2441 bp

Locus ID: 19289

Cytogenetics: 9 35.13 cM

MW: 117.3 kDa

Product images:



Circular map for MR210783