

Product datasheet for **MR209067**

Pigt (BC034175) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigt (BC034175) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pigt
Synonyms:	CGI-06, NDAP, Ndap7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209067 representing BC034175
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGCTCGGTTTCCGTTGCGGTTACTGGTGTCTGTGGTGGGACGGGGCTGCTGTGGCTGCGCGG
 AGGGCCACGCGACAGCCTGCGAGAAGAGCTCGTTATCACTCCACTGCCTTCCGGCGACGTGGCCGCCAC
 ATTCCAGTTCCGCACGCGTTGGGATTTCGGATCTGCAGCGGGAAGGAGTGTCCATTACAGGCTCTCCCT
 AAAGCCCTGGGACAGCTGATCTCCAAGTACTCCCTGCGGGAGCTCCACCTGTCGTTACACGAAGGCTTTT
 GGAGGACGCGATACTGGGGGCCACCTTCTGCAGGCTCCGTGAGTGCAGAGCTCTGGGCTGTTTCCA
 AGACACTGTCACCGATGTGGATAAGTCTGGAGGGAGCTCAGCAATGTCCTCTCGGGATCTTCTGTGCA
 TCCCTCAACTTCATCGACGCCACCAATACCGTCACTCCACCGCCTCTTCAAACCTCTGGGACTGGCCA
 ATGACACTGACGACTACTTCTGCGCTACGCTGTGCTGCCTCGGAGGTTGTCTGACTGAGAACCTCAC
 GCCATGGAAGAAGCTCTTCCCTGCAGTCCAAGGCCGTCTCTCAGTGTATTGAAAGCAGACCGCTTG
 TTCCACACCAGTTACCCTCCAGGCAGTGCACATCCGGCCTATCTGCAGAAATGCTCACTGTACCAGCA
 TCTCTGGGAGCTGAGGCAGACCCTTTCGGTTGTCTTGTATGCCTTCATCACAGGACAGGGGAAGAAGA
 CTGGTCCCTCTTCCGCATGTTCTCCCGACTCTCACAGAGGCTGTCCATTGGCGTCTCAGAGCCTAGTT
 TATGTGGACATCACAGGCTACAGCCAGGATAATGAAACTGGAGGTGAGCCCTCCCCAACTTCCACAT
 ACCAGGATGTCATTTGGGCACCAAGAGCCTATGCCGTCTATGACTTGTGACACAGCCATGATCAA
 TAACTCTGAAACCTCAACATCCAGCTCAAATGGAAGAGACCCCAAGATAATGAGGCCCTACCGTGCCC
 TTCCGATGCGCAGCGGTACGTGAGTGGCTATGGACTGCAGAAGGGAGAGCTGAGTACTCTGCTGTACA
 ACTCCCATCCTTATCGGGCTTCCCGTGTCTGCTGGATGTCGTGCCCTGGTACTCGGGCTGTATGT
 GCACACGCTCACCATACCTCCAAGGGCAAGGAGAATAAACCAAGTTACATCCACTACCAACCTGCTCAG
 GACAGGACAGCCCCACCTCCTGGAGATGCTCATTACAGTGCACGCAACTCCGTCACCAAGGTCTCCA
 TCCAGTTTGAACGAGCCCTGCTCAAGTGGACAGAGTACACACCAGACCCCAACCAGGCTTCTATGTCAG
 CCCATCTGCTCCTCAGCGCCCTTGTGCCAGTGTGGTGGCAGCCAAACCAGTGGACTGGGAAGGGAGCCCT
 CTCTTCAACACCTTGTCCCGTGTCTGATGGCTCCAGTACTTGTCCGACTCTACACAGACCCCTTGC
 TAGTGAACCTGCCACCCCGACTTACGATGCCCTACAATGTGATCTGCCTACGTGCACGGTGGTGGC
 CGTGTGCTATGGCTCCTTCTACAATCTCCTCACCCGAACCTTTCACATCGAAGAGCCCAAGTCGGGCGG
 CTGGCCAAGCGGCTGGCTAACCTCATCCCGGTGCCCGTGGTGTGCCCTCTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR209067 representing BC034175
 Red=Cloning site Green=Tags(s)

MPLGLPLRLLVLLL VGRGCCGAEGPRDSLREELVITPLPSGDVAATFQFRTRWDSLQREGVSHYRLF
 KALGQLISKYSLRELHLSFTQGFWRTRYWGPFLQAPSGAELWVWFQDVTVDKSWRELSNVLSGIFCA
 SLNFIDATNTVPTASFKPLGLANDDDYFLRYAVLPREVVCENLTPWKKLLPCSSKAGLSVLLKADRL
 FHYSYHSQAVHIRPICRNAHCTSIWELRQTLVVFDFAITGQKKDWSLFRMFRTLEACPLASQSLV
 YVDITGYSQDNETLEVSPPTSTYQDVILGTRKTYAVYDLFDTAMINNSRNLIQLKWKRPDNEALPVP
 FLHAQRYVSGYGLQKGELESTLLYNHPYRAFPVLLLDVVPWYLRLYVHTLTITSKGKPKPSYIHYQPAQ
 DRQPHLLEMLIQLPANSVTKVSIQFERALLKWTEYTPDPNHGFVYSPSVLSALVPSVVAAPVDWEGSP
 LFNTLFPVSDGSSYFVRLYTEPLLVNLPDFSMYPNVICTCTVVAVCYGSFYNLLTRTFHIEEPKSGG
 LAKRLANLIRRARGVPL

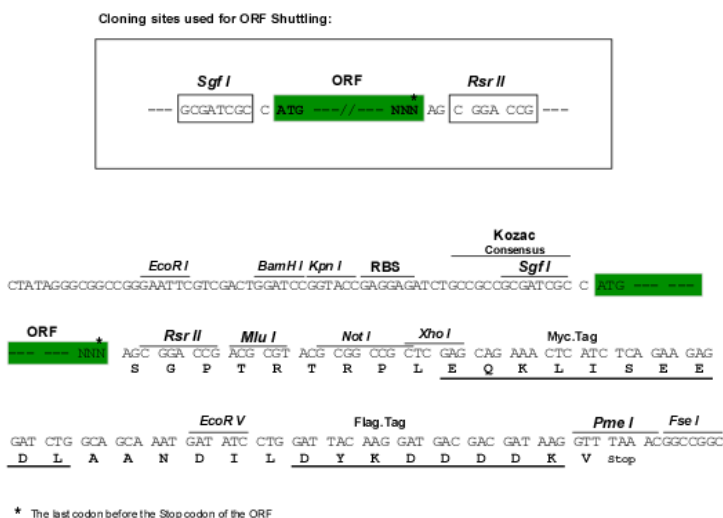
SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9038_c04.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: BC034175

ORF Size: 1734 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: [BC034175.1](#)

RefSeq Size: 2322 bp

RefSeq ORF: 1736 bp

Locus ID: 78928

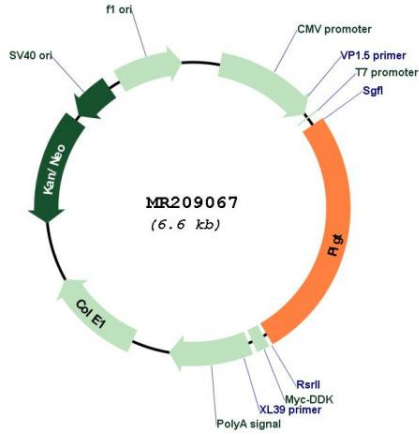
Cytogenetics: 2 H3

MW: 85.1 kDa

Gene Summary:

Component of the GPI transamidase complex. Essential for transfer of GPI to proteins, particularly for formation of carbonyl intermediates (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209067