

Product datasheet for **MR220624**

Pigt (NM_133779) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Pigt (NM_133779) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Pigt |
| Synonyms: | 2510012P17Rik; 4930534E15Rik; CGI-06; NDAP; Ndap7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR220624 representing NM_133779
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCTGCCATGCCGCTCGTTCGCCGTTGCGGTTACTGGTGTCTGTTGCTGGTGGGACGGGGCTGT
 GTGGCTGCGCGGAGGGCCACGCGACAGCCTGCGAGAAGAGCTCGTTATCACTCCACTGCCTCCGGCGA
 CGTGGCCGCCACATTCCAGTTCGCGACGCGTTGGGATTCCGGATCTGCAGCGGGAAGGAGTGTCCATTAC
 AGGCTCTTCCCTAAAGCCCTGGGACAGCTGATCTCCAAGTACTCCCTGCGGGAGCTCCACCTGTCGTTCA
 CGCAAGGCTTTTGGAGGACGCGATACTGGGGCCACCCTTCTGCAGGCTCCGTCAGGTGCAGAGCTCTG
 GGTCTGTTCCAAGACTGTCACCGATGTGGATAAGTCTGGAGGGAGCTCAGCAATGTCCTCTCGGGG
 ATCTTCTGTGCATCCCTCAACTTCATCGACGCCACCAATACCGTCACTCCACCGCCTCCTTCAAACCTC
 TGGGACTGGCCAATGACTGACGACTACTTCTGCGCTACGCTGTGCTGCCTCGGGAGGTTGTCTGCAC
 TGAGAACCTCACCCATGGAAGAAGCTTGTCCCTGCAGTCCAAGGCCGGTCTCTCAGTGTATTGAAA
 GCAGACCGCTTGTTCACACCAGTTACCACTCCAGGCAGTGCACATCCGGCCTATCTGCAGAAATGCTC
 ACTGTACCAGCATCTCCTGGGAGCTGAGGCAGACCCTTTCGGTTGTCTTTGATGCCTTATCACAGGACA
 GGGGAAGAAAGACTGGTCCCTCTTCCGCATGTTCTCCCGACTCTCACAGAGGCTGTCCATTGGCGTCT
 CAGAGCCTAGTTTATGTGGACATCACAGGCTACAGCCAGGATAATGAAACTGGAGGTGAGCCCTCCCC
 CAACTCCACATACCAGGATGTCATTTTGGGCACCAGGAAGACCTATGCCGTCTATGACTTGTGTTGACAC
 AGCCATGATCAATAACTCTCGAACTCAACATCCAGCTCAAATGGAAGAGACCCCAAGATAATGAGGCC
 CTACCCGTGCCCTTCTGCATGCGCAGCGGTACGTGAGTGGCTATGGACTGCAGAAGGGAGAGCTGAGTA
 CTCTGCTGTAACAACCTCCATCCTTATCGGGCCTTCCCCGTGCTGCTGCTGGATGTCGTGCCCTGGTACCT
 GGGCTGTATGTGCACACGCTCACCATTAACCTCCAAGGGCAAGGAGAATAAACCAAGTTACATCCACTAC
 CAACCTGCTCAGGACAGGCAGCAGCCCCACCTCCTGGAGATGCTCATTACGCTGCCAGCCAACTCCGTCA
 CCAAGGCTCCTATCCAGTTTGAACGAGCCCTGCTCAAGTGGACAGAGTACACACCAGACCCCAACCACGG
 CTTCTATGTCAGCCCATCTGTCTCAGCGCCCTTGTGCCAGTGTGGTGGCAGCCAAACCAGTGGACTGG
 GAAGGGAGCCCTCTTTCAACACCTTGTCCCGGTGCTGATGGTCCAGCTACTTTGTCGACTCTACA
 CAGAGCCCTTGTAGTGAACCTGCCACCCCGACTTCAGCATGCCCTACAATGTGATCTGCCTACGTT
 CACGGTGGTGGCGTGTCTATGGCTCCTTCTACAATCTCCTCACCCGAACCTTTACATCGAAGAGCCC
 AAGTCGGGCGGCCTGGCCAAGCGGCTGGCTAACCTCATCCGCGTGGCCGTGGTGTGCCCTCTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR220624 representing NM_133779
 Red=Cloning site Green=Tags(s)

MAAAMPLGLPLRLLVLLLVGRGCCGAEGPRDSLREELVITPLPSGDVAATFQFRTRWSDLQREGVSHY
 RLFPKALGQLISKYSLRELHLSFTQGFWRTRYWGPFLQAPSGAELWVWFQDVTVDVDSWRELSNVLSSG
 IFCASLNFIDATNTVPTASFKPLGLANDTDDYFLRYAVLPREVCTENLTPWKKLLPCSSKAGLSVLLK
 ADRLFHTSYHSQAVHIRPICRNAHCTSIWELRQTLVVFDAFITGQKKDWSLFRMFRTLTACPLAS
 QSLVYVDITGYSQDNETLEVSPPTSTYQDVILGTRKTYAVYDLFDTAMINNSRNLNIQLKWKRPDNEA
 LPVPFLHAQRYVSGYGLQKGLSTLLYNHPYRAFPVLLLDVVPWYLRVYVHTLITITSGKKNKPSYIHY
 QPAQDRQPFLLEMLIQLPANSVTKVSIQFERALLKWTEYTPDPNHGFYVSPSVLSALVPSVVAAPVDW
 EGSPLFNTLFPVSDGSSYFVRLYTEPLLNLPTPDFSMPYNVICLTCTVVAVCYGSFYNLLTRTFHIEEP
 KSGGLAKRLANLIRRARGVPPL

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9014_h05.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_133779

ORF Size: 1746 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: [NM_133779.2](#), [NP_598540.2](#)

RefSeq Size: 2574 bp

RefSeq ORF: 1749 bp

Locus ID: 78928

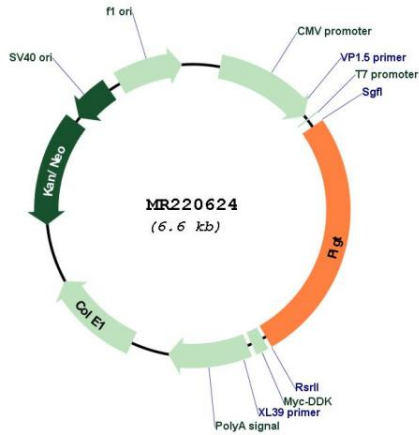
UniProt ID: [Q8BXQ2](#)

Cytogenetics: 2 H3

MW: 66.2 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 MR220624