

Product datasheet for **MR210561**

Pigr (NM_011082) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigr (NM_011082) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pigr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210561 representing NM_011082
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGGCTCTACTTGTTCACGCTCTTGGTAACTGTCTTTTCAGGGGTCTCCACAAAAAGCCCATATTTG
GTCCCAGGAGGTGAGTAGTATAGAAGGCGACTCTGTTTCCATCACGTGCTACTACCCAGACACCTCTGT
CAACCGGCACACCCGAAATACTGGTGCCGACAAGGAGCCAGCGCATGTGCACAACGCTCATCTTTCA
AATGGCTACCTCTCAAGGAGTATTCAGGCAGAGCCAACCTCATCAACTCCCAGAGAACAACACATTTG
TGATTAACATTGAGCAGCTACCCAGGACGACTGGGAGCTACAAGTGTGGCCTGGGTACCAGTAACCG
AGGCTGTCTTCGATGTCAGCCTGGAGGTGAGCCAGGTTCTGAGTTGCCGAGTGACACCCACGCTAC
ACAAAGGACATAGGCAGAAATGTGACCATTGAATGCCCTTCAAAGGGAGAATGCTCCAGCAAGAAAT
CCCTGTGTAAGAAGACAAACCAGTCTGCGAATTGTCATTGACTCTACTGAGAAGGTGAACCCAGCTA
TATAGGCAGAGCAAAACTTTTTATGAAAGGGACCGACCTAACTGTATTCTATGTCAACATTAGTCACCTA
ACGCACAATGATGCTGGGCTGTACATCTGCCAAGCTGGAGAAGGTCCTAGTGCTGATAAGAAGAATGTTG
ACCTCCAGGTGCTAGCGCTGAGCCAGAGCTGCTTATAAAGACCTGAGGTCTCAGTGACTTTTGAATG
TGACCTGGGCCGTGAGGTGGCAAACGAGGCCAAATATCTGTGCCGGATGAATAAGGAAACCTGTGATGTG
ATCATTAAACCCCTGGGAAGAGGGATCCAGACTTTGAGGGCAGGATCCTGATAACCCCAAGGATGACA
ATGGCCGCTTCAGTGTGTTGATCACAGGCTGAGGAAGGAGGATGCAGGGCACTACCAGTGTGGAGCCCA
CAGTTCGTGTTTGCTCAAGAAGGCTGGCCATCCAGACTTGCAACTCTTTGTCAATGAAGAGTCTACC
ATTCCAATCGTCGCTCTGTTGTGAAGGGAGTACAGGAGGCTCTGTGGCCATCGCTGTCCCTATAACC
CCAAGGAAAGCAGCAGCCTCAAGTACTGGTGTGCTGGGAGGGGACGGAATGGACATTGCCCCGTGCT
TGTGGGGACCCAGGCCAGGTGCAAGAAGAGTATGAAGGCCGACTGGCACTGTTTGATCAGCCAGGCAAT
GGTACTTACACTGTCATCTCAACCAGCTACCCAGGATGCTGGCTTCTATTGGTGTCTTACCAATG
GTGACTCTCGCTGGAGAACCACAATAGAACTCCAGGTTGCCAAGCTACAAGGGAGCCAAACCTTGAGGT
GACGCCACAGAACGCAACAGCAGTACTAGGAGAGACCTTACCCTTCTGCCACTATCCGTGCAAATTC
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GTGCCCGCAATCTTCTGTGAGCTGCGACCAGAGCAGCCAGCTGGTCTCCATGACCTGAACCCGGTCAG
TAAGGAAGATGAAGGCTGGTACTGGTGTGGGTAAAGCAAGGCCAGACCTATGGAGAAACTACCGCCATC
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AAGTCGCTCTGGAAGAAGAGGTAGTGGACTCCTCCATCAGTGAAAAGAGAAACAAAGCCATTCCAATCC
CGGGCCTTTTGCCAACGAAAGAGAGATACAGAATGTGGGAGACCAAGCTCAGGAGAACAGAGCATCTGGG
GATGCTGGCAGTCTGATGGACAAAGCAGGAGCTCCAGCTCCAAAGTGTGTTCTCCACCCTGGTCCCC
TGGGTCTGGTGTGGCAGTGGGTGCTATAGCTGTGTGGGTGGCCAGAGTCCGACATCGGAAGAATGTAGA
CCGCATGTCAATCAGCAGCTACAGGACAGACATTAGCATGGCAGACTTCAAGAACTCCAGAGATTTGGGA
GGCAATGACAACATGGGGCCTCTCCAGACACACAGCAACAGTCATCGAAGGAAAAGATGAAATCGTGA
CTACCACGGAGTGCACCGCTGAGCCAGAAGAATCCAAGAAAGCAAAAAGGTATCCAAGGAGGAAGCTGA
CATGGCCTACTCGCATTCTGCTTCAGTCCAGCACCATAGCTGCACAGGTCCACGATGGTCCCCAGGAA
GCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210561 representing NM_011082
Red=Cloning site Green=Tags(s)

MRLYLFTLLVTVFSGVSTKSPIFGPQEVSSIEGDSVSITCYYPDTSVNRHTRKYWCRQGASGMCTLISS
NGYLSKEYSGRANLINFENNTFVINIEQLTQDDTGSYKCGLGTSNRGLSFDVSLEVSQVPELPSDTHVY
TKDIGRNVITIECPFKRENAPSKKSLCKKTNQSCELVIDSTEKVNP SYIGRAKLFMKGTDLTVFYVNI SHL
THNDAGLYICQAGEGPSADKKNVDLQVLAPEPELLYKDLRSSVTFECDLGREVANEAKYLCRMNKETCDV
IINTLGKRDPDFEGRILITPKDDNGRFSVLITGLRKEDAGHYQCGAHSSGLPQEGWPIQTWQLFVNEEST
IPNRRSVVKGVTTGGSVAIACPYNPKESSSLKYWCRWEGDGNGHCPVLVGTQAQVQEEYEGRLALFDQPGN
GTYTVILNQLTTEDAGFYWCLTNGDSRWRTTIELQVAEATREPNEVTPQNATAVLGETFTVSCHYPCKF
YSQEKYWKWSNKGCHILPSHDEGARQSSVSCDQSSQLVSMTLNPVSKEDGWWYCGVKQGQTYGETTAI
YIAVEERTRGSSHVNPTDANARAKVALEEEVVDSSISEKENKAIPNPGPFANEREIQNVGDQAQENRASG
DAGSADGQSRSSSSKVLVSTLVPLGLVLAVGAIVWVARVHRKNVDRMSSSYRTDISMADFKNSRDG
GNDNMGASPDQTQTVIEGKDEIVTTTECTAEPEESKKAKRSSKEEADMAYSALLQSSTIAAQVHDGPQE
A

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9005_h10.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_011082

ORF Size: 2313 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_011082.3](#), [NP_035212.2](#)

RefSeq Size: 3849 bp

RefSeq ORF: 2316 bp

Locus ID: 18703

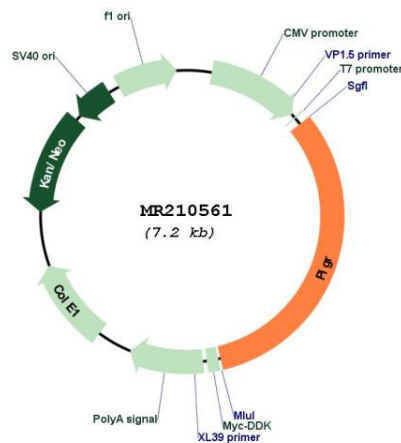
UniProt ID: [O70570](#)

Cytogenetics: 1 56.89 cM

MW: 85.4 kDa

Gene Summary: This receptor binds polymeric IgA and IgM at the basolateral surface of epithelial cells. The complex is then transported across the cell to be secreted at the apical surface. During this process a cleavage occurs that separates the extracellular (known as the secretory component) from the transmembrane segment (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210561