

Product datasheet for **MR208486**

Pglyrp2 (NM_021319) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pglyrp2 (NM_021319) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pglyrp2
Synonyms:	C730002N09Rik; Pglyrpl; PGRP-L; tagL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208486 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGCCTGGGGTGCCTCTGGATCGTGCTTGGATTGTGCTGTGCCAGAGCCAGGGCAGCCTCCT
 CCTTGCCCTGCTCATGGACTCCATCATCCAGGCCCTTGCTGAACTTGAGCAAAAGGTACCAAGTACTGA
 GGCCAGCATCACTGCCTCTGCATGGATTCTGTCAGCCAAGAACTCCAGCACCCACAATTCCTTCCACAG
 CGTTGCTGCTGAAGGCACCAAGCCACAACACTACAGAGCCAGATCCTCACTCTCTCAGCCCGGAGCTTC
 AAGCACTGATTTCTGAGGTGGCTCAACACGATGTACAGAATGGGCGGGAATATGGAGTGGTCTGGCACC
 TGATGGCTCCACCGTAGCTGTGAAGCCTCTGCTGTTTGGGCTAGAGGCCGGTCTACAGGCACACAGCGTT
 GCTAACTGCCTTCAGATTGTCTGGCTATCCCCTGTGATACTGGAGACACCTGGCCAATATTAGAGCCA
 CCTGGCCAGGACTCATGGATGCTTTTCAAATGCCTCTTCTCCAGATGTTGGAGCCACTTTACAAAACGA
 CAAAGCCAAGACTCCCACCACTGTGGACAGACTCCTGGCAATCACCTGGCTGGTACTTAGGTCTGACC
 TTCTCCACAGGTCCCAGACTTGGAGTCTCCAGGACTGGGAAGTGGGGCTGCTGGGACCAGCTTACTG
 CCCCAGGGTCTTCACACTGTTGGACCCCCAGGCATCCAGGCTCACCATGGCTTTCCTCAATGGTGCCTT
 AGATGGAGCTCTCCTTGGGAACCACTTGAGCCAATCCCTAGGCCCCACCCACCCCTCAGCCACCTGCTA
 AGAGAGTACTATGGAGCTGGGGTGAATGGAGATCCGGTGTCCGAAGTAACTTCCGAAGGCAGAAGCGTG
 CTGCTTTGACTTCAGCCCTACCTGGCCAGCAGGATGGGAGGCCCTTGTCTGTTACAGAACTGGA
 GCCAGAACCTACAGTTGCAGAACATTAGCCAAGAGCAGCTGGCTCAGGTAGCCACCTTGGCTACCAAG
 GAGTTCAGGCTTTCTGGGATGCCAGCCATTACCCCCGCTGCCGTTGGGAGCGGCTCCCTACC
 GAGGCCACCAACCACTCCGGCTGCCACTTGGATTCTTATATGTGCATCACACATACGTCGCCAGCGCC
 ACCCTGCACCACCTTCCAGAGCTGCGCCCGGATATGCGCTCCATGCAGGTTTTCCACCAGGATGTGCGC
 AAGTGGGATGACATCGGCTACAGTTCTGTTGGTAGGCTCCGACGGCTATCTGTACCAGGGCGTGGCTGGC
 ACTGGGTAGTGCGCACACACGCGGCTACAACCTCCGCGGCTTCCGGTGTGGCCTTCGTGGCAACTACAC
 TGGGCTACTGCCAACGAAGCTGCGCTGAACACGGTGCAGCAGCGCTCCCGAGCTGCGCAATTCGCGCA
 GGTCTCTTGGCCAGACTACAAGCTGCTTGGCCACCGCCAGCTAGTGCTCACCCACTGCCCCGGGAACG
 CGCTCTCAACTGCTGCGCACCTGGCCTCACTCACAGAGGTTGAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208486 protein sequence
 Red=Cloning site Green=Tags(s)

MKAWGALWIVLGLLLWPEPGAASSLPLLMDSIIQALAELEQKVPVTEASITASAWILSAKNSSTHNSLHQ
 RLLLKAPSHNTTEPDPHLSPELQALISEVAQHDVQNGREYGVVLPDGVSTVAVKPLLFLGLEAGLQAHSV
 ANLPSDCLAIPCDTGDTLANIRATWPLMDAFPNAASPVDGATLPNDKAKTPTTVDRLLAITLAGDLGLT
 FLHRSQWSPPLGTEGCWDQLTAPRVFTLLDPQASRLTMAFLNGALDGALLGNHLSQIPRPHPLSHLL
 REYYGAGVNGDPVFRSNFRQNGAALTSAPTLAQVWEALVLLQKLEPEHLQLQNISQEQLAQVATLATK
 EFTEAFLGCPAIPHRCRWGAAPYRGHPTPLRLPLGFLYVHHTYVPAPPCTTFQSCAADMRSMQRFHQDVR
 KWDDIGYSFVVGSDGYLYQGRGWHWGAHTRGYNSRFGVAFVGNVTGSLPNEAALNTVRDALPSCAIRA
 GLLRPDYKLLGHRQLVLTCPGNALFNLLRTWPHFTEVEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_021319

ORF Size: 1593 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_021319.5](#)

RefSeq Size: 2709 bp

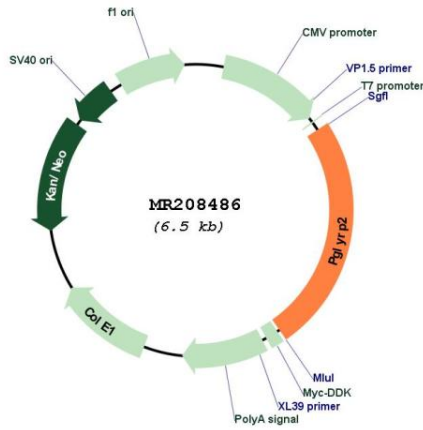
RefSeq ORF: 1593 bp

Locus ID: 57757

UniProt ID: [Q8VCS0](#)

Cytogenetics: 17 B1
MW: 57.7 kDa
Gene Summary: May play a scavenger role by digesting biologically active peptidoglycan (PGN) into biologically inactive fragments. Has no direct bacteriolytic activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208486