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Product datasheet for MR219045

Pglyrp4 (NM_001165968) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Pglyrp4
Synonyms:	Gm413; Gm1478
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR219045 representing NM_001165968
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGTCCTGGCTTCTTGTCTTCTCTATCTTGGTTCTTCTGGCACAGGGTGTTTCCTCCTGGGAAAATC
CACAAACTGATCAGGTGTCAGAAGGGCTGCAGCAACTGTTTGGCAACATATCCCAACTCTTTGAGAAAGG
CATACTAGGCCGTGATGATGTCTTCACTATGGTTTCTCGTGAGGAATGGGGGGCAGAAGCAATTGGTTGC
AGCTCTAAGCTGAGCAGGCCAGTGGATGTCCTTGTCATACACCATATCCCTGGACTAGAGTGCCACAACA
AAACTGTCTGTAGCCAGAAGCTTCGGGAACTACAGGCCTACCACATCCACAACAGCTGGTGTGATGTGGC
TTACAATTTCCTGGTTGGGGATGATGGCAGAGTATATGAAGGTGTTGGTTGGAATGTCCAAGGCTCTCAC
GACCAGGGCTACAAGAACATCTCCTTAGGTGTTGCCTTCTTTGGTACCCAAGAAGGCCATAGTCCCAGCC
CTGTTGCTCTGTCAGCCATGAAGGGCCTGATTTCCTATGCTGTGAAGAAGGGACACTTGTCATCCAAGTA
CATCCAGCCATTGCTTGCGAAAAGTGAAGACTGCCTGGTCCCTCCACAGAAGGGGAAACAGAAGAAAGCA
GCTTGTCCCCACATAGTTCCACGGTCTGTTTGGGGCGCGAGAGACTCCCACTGCTCCAGAATGACTCTCC
CTGCGAAGTATGCCATCATTCTTCATACTGCTGGGAGAACATGCAGTCAGCCTGATGAGTGCCGCCTGCT
GGTCCGAGATCTCCAGTCGTTCTTCATGAACAGGCTAAATGCATGTGACATTGGGTATAACTTCCTCGTG
GGCCAGGATGGTGGTGTTTATGAAGGAGTGGGCTGGAATAACCAAGGTTCCAAAACTGATAGCTACAATG
ACATCTCTTTGAGTATCACCTTCATGGGCACCTTCACAGGTTCCCCACCCAATGCAGCTGCACTGGAGGC
AGCCCAGGACTTGATCCGGTGTGCTGTGGTCAAGGGGTACCTGACCCCCAACTACCTGCTAATGGGCCAC
AGTGATGTGTCCAACACTCTGTCCCCTGGGCAGGCACTGTACAACATTATCAAGACGTGGCCCCATTTCA
AGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>MR219045 representing NM_001165968
Red=Cloning site Green=Tags(s)

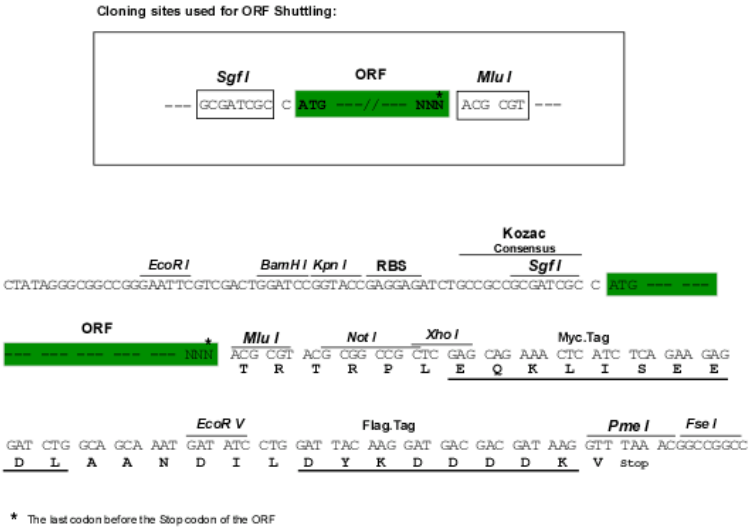
MLSWLLVFSILVLLAQGVSSWENPQTDQVSEGLQQLFGNISQLFEKGILGRDDVFTMVSREEWGAEAIGC
SSKLSRPVDVLVIHHIPGLECHNKTVCSQKLRELQAYHIHNSWCDVAYNFLVGDDGRVYEGVGWNVQGSH
DQGYKNISLGVAFFGTQEGHSPSPVALSAMKGLISYAVKKGHLSSKYIQPLLAKSEDCLVPPQKGKQKKA
ACPHIVPRSVWGARDSHCSRMTLPAKYAIILHTAGRTCSQPDECRLLVRDLQSFFMNRLNACDIGYNFLV
GQDGGVYEGVGWNNQGSKTDSYNDISLSITFMGTFTGSPPNAAALEAAQDLIRCAVVKGYLTPNYLLMGH
SDVSNTLSPGQALYNIIKTWPHFKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9071_g11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001165968

ORF Size: 1125 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001165968.1, NP_001159440.1

RefSeq Size: 2229 bp

RefSeq ORF: 1128 bp

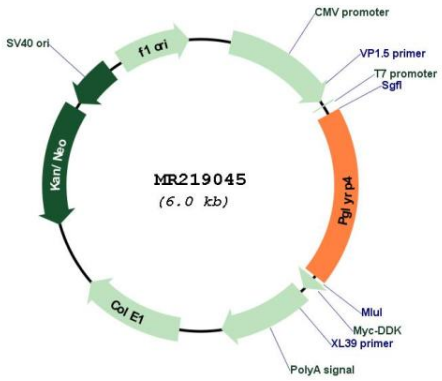
Locus ID: 384997

Cytogenetics: 3 F1

MW: 41.3 kDa

Gene Summary: Pattern receptor that binds to murein peptidoglycans (PGN) of Gram-positive bacteria. Has bactericidal activity towards Gram-positive bacteria. May kill Gram-positive bacteria by interfering with peptidoglycan biosynthesis. Binds also to Gram-negative bacteria, and has bacteriostatic activity towards Gram-negative bacteria. Plays a role in innate immunity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219045