

Product datasheet for **MR202476**

Pigf (NM_008838) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pigf (NM_008838) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Pigf
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR202476 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAAGATACTGACATCAAGAGACTTCTGTATACCAATCTTTTGTGCGTATTTTCAATTTTCTAAGCA
 TTTTCATTCGGTCTTCTTCGTGGACAACCTCTCAGTATTGGAAGCTCATTTGACCTGGCTGTGTATCTG
 CTCTGCTTCTGTGACCACTGTCAATCTCTTGTGCTACTTAGTAGTAAACCGAATGTGTCCTCTAAAAGA
 AGTTCATTGTACATAAGGTAACGCGAGCTTTGAAATGCTGTGCTTCTTCCTTATGTCTTGTGTTTCTCC
 TTCACATCTTTTGTCTATATGGAGCACTAATCGAGTTGGTCTGGAAACGTTTTTATTTGCAGT
 TGTGTTTGTCTACTTTTACTACAGTACCTGTCTCTGTTTGTAGGACCAACCTCAAAGCATGGCTGAGA
 GTTTTCAGTAGAAATGGAGTTACATCTATTTGGGAGAATAGTCTTCAGATCACTACAATTTCTAGTTTCA
 CAGGAGCGTGGCTTGGAGCATTTCCTATCCACTGGATTGGGAAAGACCGTGGCAGGTGTGGCCCATCTC
 CTGTACACTCGGAGCGACCTTTGGCTACGTGGCTGGCCTGGTTATCTCGCCACTCTGGATCTACTGGAAT
 AGAAAGCAGCTTACATACAAGAACAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202476 protein sequence
 Red=Cloning site Green=Tags(s)

MKDTDIKRLLYTNLLCVFSIFLSIFIPFFVDNFSVLEAHLTWLCICSASVTTVNLLSYLVKPNVSSKR
 SSLSHKVTRALKCCVFFLMSCFLLHIIFVLYGAPLIELVLETFLFAVVLSTFTTVPCCLLGNLKAWL
 VFSRNGVTSIWENSLQITTISSFTGAWLGAFPIPLDWERPWQVWPISCTLGATFGYVAGLVISPLWIYWN
 RKQLTYKNN

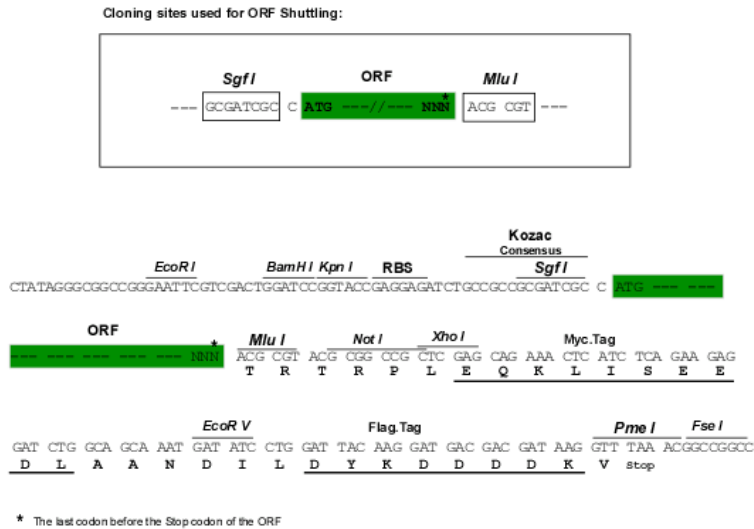
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008838

ORF Size: 660 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_008838.1](#), [NP_032864.1](#)

RefSeq Size: 980 bp

RefSeq ORF: 660 bp

Locus ID: 18701

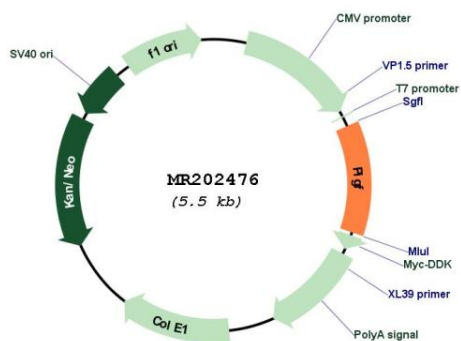
UniProt ID: [O09101](#)

Cytogenetics: 17 56.9 cM

MW: 24.9 kDa

Gene Summary: Involved in GPI-anchor biosynthesis through the transfer of ethanolamine phosphate to the third mannose of GPI.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202476