

Product datasheet for **RR211185**

Pigl (NM_138901) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigl (NM_138901) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pigl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211185 representing NM_138901
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTGGTGGGTCTCTTGTGTGTGGCCGTGGCTGTCCTGACTGGGGCTTCTCCGGGTTTGGAACT
CAGCGGAACGAATGAGGTCTCCGGAGCAGGCGGGCCTACCGGAGCCGGAAGCCGGGCCCTGTAGTGAT
CGCGCACCCGGACGATGAAGCCATGTTCTTTGCTCCACGATACTAGGCTTGGCACGCCTGAAGCAGCAG
GTGTCCCTGCTCTGCTTCTCCTCAGGAAATTAACAATCAAGGTGAGATTGCAAAGAAAGAACTTCTGC
AGAGCTGTGCTGTCTTGGGGATTCCACCTTCCCGTGAATGATTATTGACAAGAGGGAGTTTCCAGATGA
TCCAGAAGTGCAGTGGGACACAGAGCATGTGGCCAGCACCATCCTCCAGCACATACATGCCAATGCCACC
GACTTGGTGGTACTTTTGTGATGCAGAAGGAGTCAAGTGGTCAAGCAACCATATTGCCTTGTACAAAGCTG
TGAGGGCCCTGCACTCAGGAGGGAAGCTGCCTGAAGGGTGTCTGTACTTACTCTCCAGTCTGTGAACGT
GCTTCGGAAGTATGTCTTCTCCTGGATCTCCCTGGACTCTACTGTGCCCCAGGGTGTCTCTTTGTG
CTCACCAGCAAAGAAGTGGCACAGGCCAAGAAAGCCATGTCTGCCACCGCAGTCAGCTGCTCTGGTTCC
GCCACCTTACACCGTCTTCTCGAGATACATGAGCGTCAACTCGTGCAGTTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211185 representing NM_138901
Red=Cloning site Green=Tags(s)

MEVVGLLCVAVAVLTWGFLRVWNSAERMRSPEQAGLPGAGSRALVVIAPDDEAMFFAPTILGLARLKQQ
VSLLCFSSGNYNQGEIRKELLQSCAVLGIPPSRVMIIDKREFPDDPEVQWDEHVASTILQHIHANAT
DLVVTFDAEGVSGHNSHIALYKAVRALHSGGKLEPGCSVLTLSQVNVLRKYVFLLDLPWTLSPQGVFLV
LTSKEVAQAKKAMSCHRSQLLWFRHLYTVFSRYMSVNSLQLL

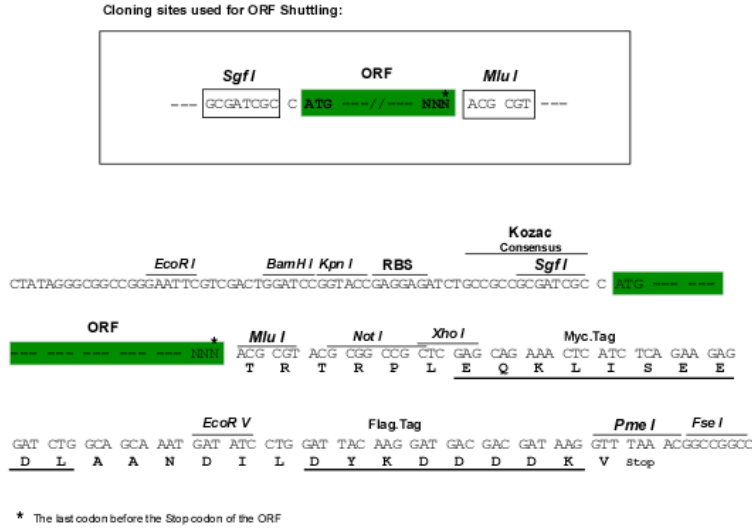
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



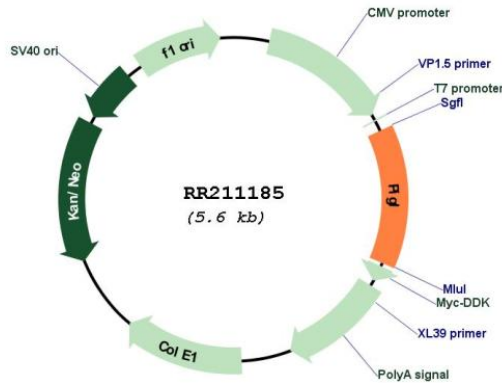
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_138901

ORF Size: 756 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:	<ol style="list-style-type: none">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:	<u>NM_138901.2</u> , <u>NP_620256.1</u>
RefSeq Size:	1410 bp
RefSeq ORF:	759 bp
Locus ID:	192263
UniProt ID:	<u>O35790</u>
Cytogenetics:	10q23
MW:	28 kDa
Gene Summary:	catalyzes the N-deacetylation of N-acetyl-D-glucosaminyolphosphatidylinositol in the second step of GPI anchor biosynthesis [RGD, Feb 2006]