

Product datasheet for **RC200236**

PXMP4 (NM_007238) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: Myc-DDK

Symbol: PXMP4

Synonyms: PMP24

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC200236 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGCCCCGCCGAGCTAAGGGCTCTGCTCGTAGTCGTCAACGCACTGCTGCGCAAGCGCCGCTACC
ACGCTGCGTTGGCCGTGCTTAAGGGCTTCCGGAACGGGGCTGTCTATGGAGCCAAAATCCGGGCCCTCA
CGCGCTGGTCATGACCTTTCTTCCGGAATGGCAGCCTCCAGGAGAAGCTGTGGGCCATACTGCAGGCC
ACATATATCCACTCCTGGAACCTGGCAGGTTTGTGTTACCTACAAGGGTCTCCGTGCCCTGCAGTCCT
ACATACAAGGCAAGACCTACCCAGCACACGCATTCTGGCGGCCTTCTCGGGGGTATCCTGGTGTGG
AGAAAACAATAACATCAACAGCCAGATCAACATGTACCTGTTGTACGCGTCTGTTTGCCCTGAGCCGC
CTGGCTGTAGAGAAGGGCTACATCCCTGAACCCAGGTGGGACCCGTTCCCGCTGCTCACTGCGGTGGTGT
GGGGCTGGTGTGTGGCTCTTTGAGTATCACCATCCACCCTGCAGCCCTCGCTGCAGTCTCCATGAC
CTACCTCTATGAGGACAGCAATGTATGGCAGCATCTCAGACTTCCTCATCTATAACAAGAGCCGTCCC
TCCAAT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC200236 protein sequence
 Red=Cloning site Green=Tags(s)

MAAPPQLRALLVVVNALLRKRRYHAALAVLKGFRNGAVYGAKIRAPHALVMTFLFRNGSLQEKLWAILQA
 TYIHSWNLARFVFTYKGLRALQSYIQGKTYPAHAFLAAFLGGILVFGENNNINSQINMYLLSRVLFALSR
 LAVEKGYIPEPRWDPFLLTAVVWGLVLWLFYHRSTLQPSLQSSMTYLYEDSNVWHDISDFLIYNKSRP
 SN

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

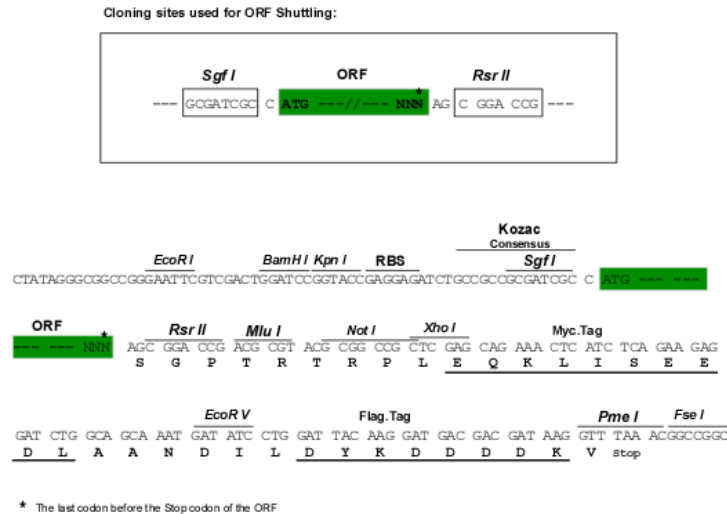
Chromatograms:

https://cdn.origene.com/chromatograms/mk6614_b04.zip

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN:

NM_007238

ORF Size:

636 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_007238.2](#)

RefSeq Size: 5727 bp

RefSeq ORF: 639 bp

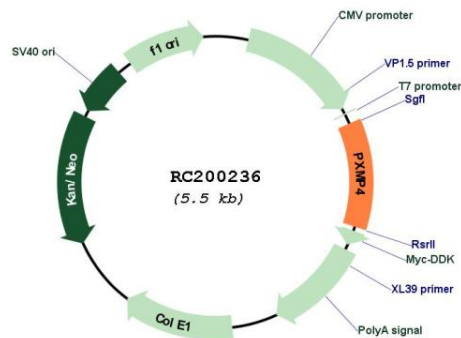
Locus ID: 11264

UniProt ID: [Q9Y6I8](#)

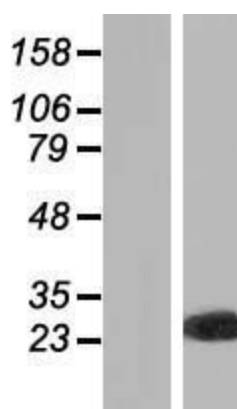
Cytogenetics: 20q11.22

MW: 24.3 kDa

Product images:



Circular map for RC200236



Western blot validation of overexpression lysate (Cat# [LY416107]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200236 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).