

Product datasheet for **RC203956**

PL6 (TMEM115) (NM_007024) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PL6
Synonyms:	PL6
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC203956 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAACGTGCCCTGCCAGGCGCCCGCCAGCACTTGGGGGCCATTCTGGCCAGCGCCAGCGTGGTGGTGA
AGGCTCTGTGTGCGGCGGTACTATTCTCTACCTGCTCTCCTTCGCGGTGGACACAGGCTGCCTGGCGGT
CACCCCGGGCTACCTCTTCTCTCCCACTTCTGGATCTGGACCTGGCCACCCATGGGCTGATGGAGCAG
CATGTGTGGGACGTGGCCATCAGCTGACAACGGTGGTGGTGGCGGGCGTTTGTGGAGCCCTCTGGG
GGGCTTGGAGCTGCTCATCTTCTCTCAGTGGTGAATGTGTCTGTAGGGCTGCTGGGGGCTTCGCCTA
CCTCTCACCTACATGGCTTCTTCAACCTGGTCTACCTGTTCACTGTCCGTATCCACGGCGCTTGGGC
TTCCTAGGTGGCTCCTGGTGGCACTCAAGCAAACCATGGGGGACTGTGTGGTCTGCGAGTGCCCCAGG
TGCGCGTCAGTGTGATGCCATGCTGCTGCTGGCGCTGCTGCTCCTGCTGCGGCTCGCCACGCTGCTCCA
GAGCCCGGCGCTGGCTTCTATGGCTTCGGGCTGCTCTCCAGTTGGGTATATCTTCGCTTCTACCAAGCGC
CATAGCCGGGGCCGAGGGGACATGGCTGACCACTTTGCTTTTCCCACTTTCTTCCCTGAGATCCTGCAGC
CTGTGGTGGTGGTGGTGGCACTTGGTGACAGCCTCCTGGTGAAGGTAAGATATGCCAGAAGACGGT
GAAGCGCTACGATGTGGTGGCCATCCTCCATCACCATCAGCCTGCCAGGCACAGACCTCAAGACGCC
GAGCGGAGAAGGCAACTGGCCCTGAAGGCACTCAATGAGCGGCTGAAGAGAGTGGAAGACCACTCATCT
GGCCAGCATGGATGATGATGAAGAGGAGTCTGGGGCAAGGTGGACAGCCCCCTGCCCTCAGACAAAGC
TCCACACCCCCAGGGAAGGGGCTGCCCCAGAATCCAGTCTAATCACCTTCGAGGCAGTCCCCGACG
CTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC203956 protein sequence
Red=Cloning site Green=Tags(s)

MQRALPGARQHLGAILASASVVVKALCAAVLFLYLLSFAVDTGCLAVTPGYLFPPNFWIWTLATHGLMEQ
HVWDVAISLTTVVYAGRLLEPLWGALELLIFFSVVNVSVGLLGAFAYLLTYMASFNLVYLFTVRIHGALG
FLGGVLVALKQTMGDCVLRVPQVRVSVMPMLLLALLLLRLATLLQSPALASYGGLLSSWVYLRFYQR
HSRGRGDMADHFAFATFFPEILQPVVGLLANLVHSLLVKVKICQKTVKRYDVGAPSSITISLPGTDPQDA
ERRRQLALKALNERLKRVEDQSIWPSMDDDEESGAKVDSPLPSDKAPTTPPGKGAAPESLITFEAAPPT
L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

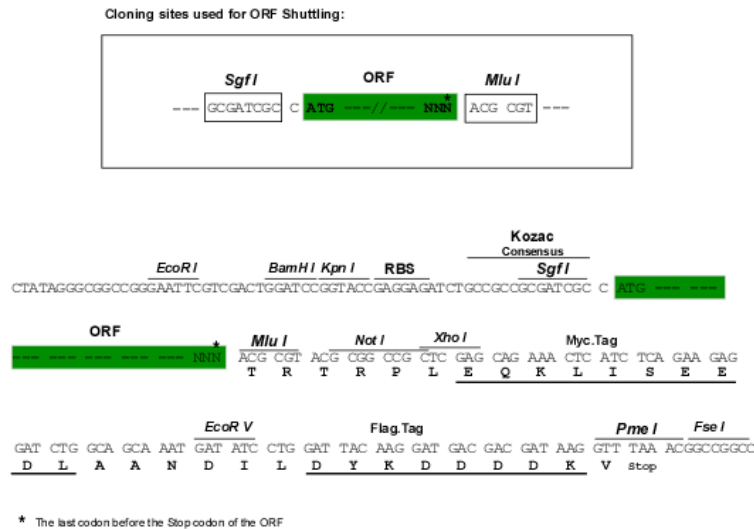
Chromatograms:

https://cdn.origene.com/chromatograms/mk6302_e02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_007024

ORF Size:

1053 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:

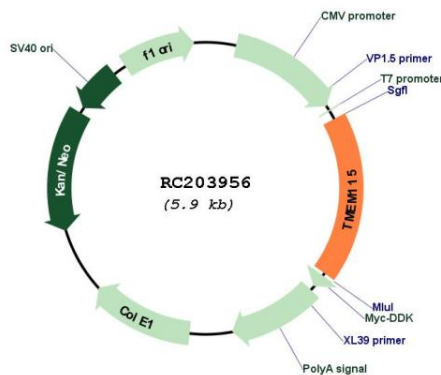
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

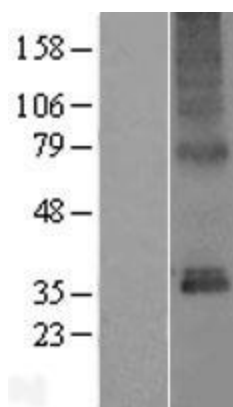
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_007024.5</u>
RefSeq Size:	2178 bp
RefSeq ORF:	1056 bp
Locus ID:	11070
UniProt ID:	<u>Q12893</u>
Cytogenetics:	3p21.31
Protein Families:	Transmembrane
MW:	38.2 kDa
Gene Summary:	May play a role in retrograde transport of proteins from the Golgi to the endoplasmic reticulum. May indirectly play a role in protein glycosylation in the Golgi.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC203956



Western blot validation of overexpression lysate (Cat# [LY416237]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203956 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).