

Product datasheet for **RC229578**

PGPEPIL (NM_001167902) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: Myc-DDK

Symbol: PGPEPIL

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PSI00001)

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

ORF Nucleotide Sequence: >RC229578 representing NM_001167902
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACACCGCCGCAAGGCGATCATTCTGGAACAGTCTGGCAAGAACCAAGGCTACCGGGACGCCGACA
TCCGCAGCTTCTGGCCGAGGCGGCGTGTGCTACCTGGCAGCCAGACGTGCTGGAGTCAGGGGTCTG
CATGAAGGCAGTCTGCAAGCGCTAGCTGTGGAGGGTGTGACGTGATCTTTCCCGAGATGCAGGCAGA
TACGTCTGTGATTACCTATTACCTGTCTCTGCATCATGGAAGGGCTGCGCGGCACTCATCCATGTCC
CTCCACTATCGCGCGGGCTCCCGGCCAGCCTGCTGGGAAGAGCCTTGAGAGTCATCATCCAGGAAATGCT
GGAAGAGTGGGAAGCCCAAGCACAGAGCCAGTTCGAAGAAAACCAACCATGGTCCTCCAGCCAAA
GGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229578 representing NM_001167902
Red=Cloning site Green=Tags(s)

MDTAAKAIILEQSGKNQGYRDADIRSFWEPPGVCLPGSPDVLESGVCMKAVCKRVAVEGVDFVIFSRDAGR
YVCDYTYLTLHHGKGCAALIHVPPLSRGLPASLLGRALRVIIQEMLEEVGKPKHRAQFEENSTMVLP
AKGN

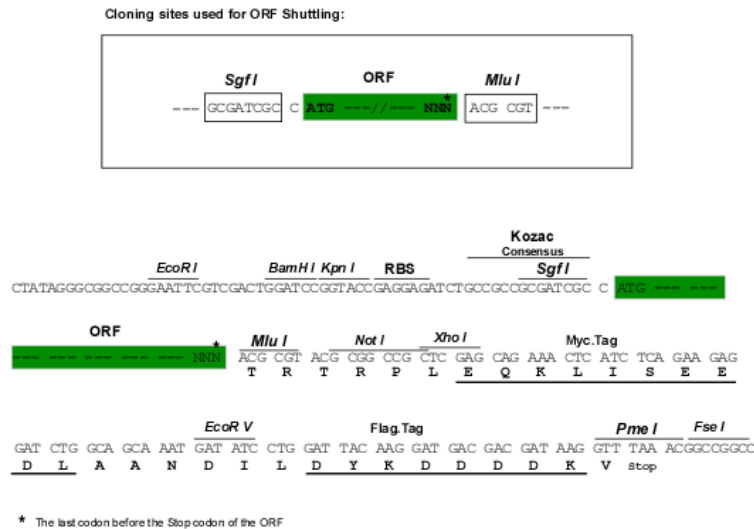
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1431_b04.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001167902

ORF Size: 426 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:

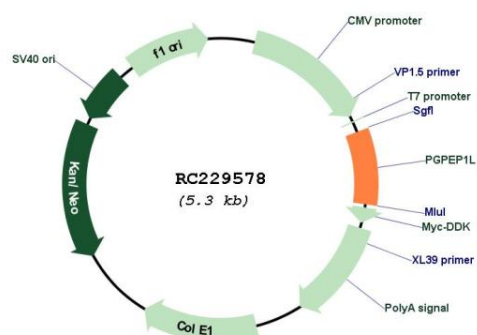
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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.

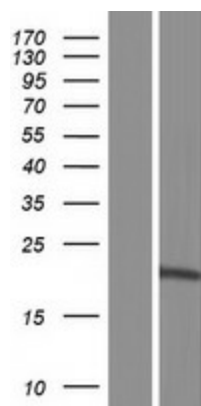
RefSeq: [NM_001167902.2](#)

RefSeq ORF:	429 bp
Locus ID:	145814
UniProt ID:	A6NFU8
Cytogenetics:	15q26.3
Protein Families:	Druggable Genome
MW:	15.9 kDa

Product images:



Circular map for RC229578



Western blot validation of overexpression lysate (Cat# [LY432578]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229578 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).