

Product datasheet for **RC227037**

POTEC (NM_001137671) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	POTEC
Synonyms:	A26B2; CT104.6; POTE-18; POTE18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC227037 representing NM_001137671
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC227037 representing NM_001137671
 Red=Cloning site Green=Tags(s)

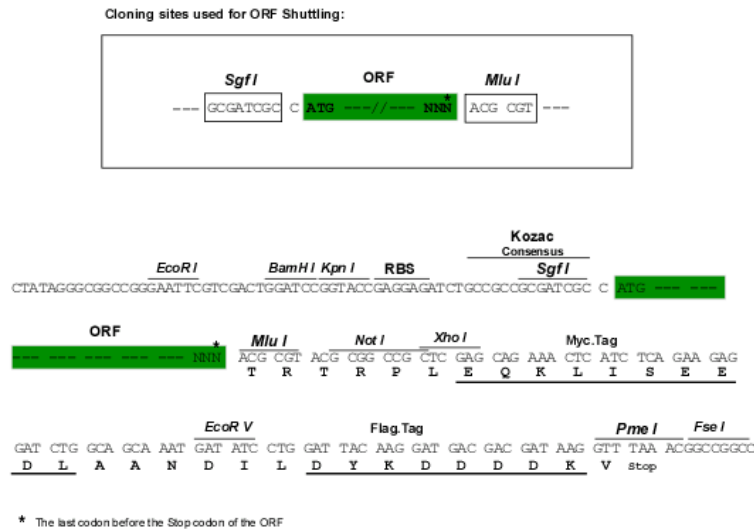
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 KHGSPVGLPENLTNGASAGNGDDGLIPQRRSRKPNQFPDTENEEYHSDEQNDTRKQLSEEQNTGISQ
 DEILTNKQKQIEVAEKKMNSLSLHKKEEDLLRENSMLQEEIAMLISGDWN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8033_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001137671

ORF Size: 1626 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:

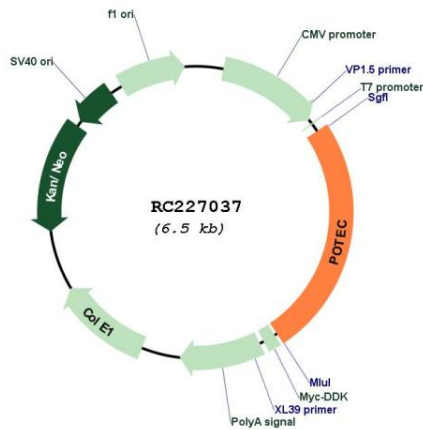
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store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

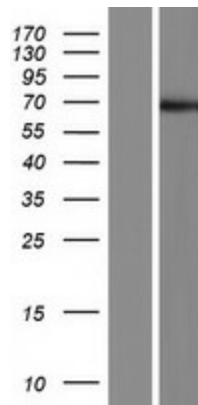
RefSeq: [NM_001137671.1](#), [NP_001131143.1](#)

RefSeq ORF:	1629 bp
Locus ID:	388468
UniProt ID:	B2RU33
Cytogenetics:	18p11.21
MW:	61 kDa

Product images:



Circular map for RC227037



Western blot validation of overexpression lysate (Cat# [LY427952]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227037 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).