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Product datasheet for RC225204

PHR1 (PLEKHB1) (NM_001130035) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHR1 (PLEKHB1) (NM_001130035) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHR1
Synonyms:	KPL1; PHR1; PHRET1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC225204 representing NM_001130035
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCTGGTGAGGGGCGGCTGGCTGTGGAGACAGAGCTCCATCCTCCGCCGCTGGAAGCGGAACTGGT
TTGCCCTGTGGCTGGACGGGACCCTGGGATACTACCACGATGAGACAGCGCAGGACGAGGAGGACCGTGT
GCTCATCCACTTCAATGTCCGTGACATAAAGATCGGCCCAGAGTGCCATGATGTGCAGCCCCCAGAGGGC
CGGAGCCGAGATGGCCTGCTGACTGTGAACCTACGGGAAGGCGGCCGCCTGCACCTCTGTGCGGAGACCA
AGGATGATGCCCTAGCATGGAAGACAGCACTGCTGGAGGCAAACTCCACCCCGGTGCGCGTCTACAGCCC
GTACCAAGACTACTACGAGGTGGTGCCCCCCAATGCACACGAGGCCACGTATGTCCGCAGCTACTACGGA
CCGCCCTACGCAGGCCCTGGCGTGACGCACGTGATAGTGCGGGAGGATCCCTGCTACAGCGCCGGCGCCC
CTCTGGCCATGGGCATGCTTGCGGGAGCCGCCACTGGGGCGGCGCTGGGCTCGCTCATGTGGTCGCCCTG
CTGGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

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>RC225204 representing NM_001130035
Red=Cloning site Green=Tags(s)

MALVRGGWLWRQSSILRRWKRNWFALWLDGTLGYYHDETAQDEEDRVLIHFNVRDIKIGPECHDVQPPEG
RSRDGLLTVNLREGGRLHLCAETKDDALAWKTALLEANSTPVRVYSPYQDYYEVVPPNAHEATYVRSYYG
PPYAGPGVTHVIVREDPCYSAGAPLAMGMLAGAATGAALGSLMWSPCWF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

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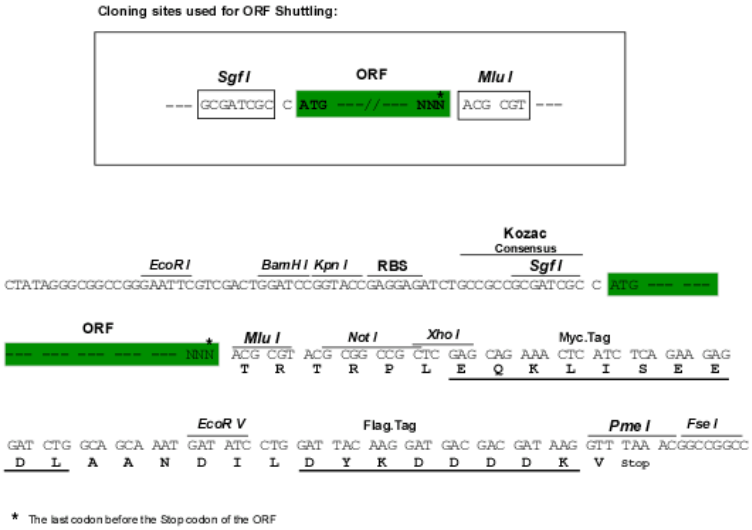
Chromatograms: https://cdn.origene.com/chromatograms/ja1451_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001130035

ORF Size: 567 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_001130035.2

RefSeq ORF: 570 bp

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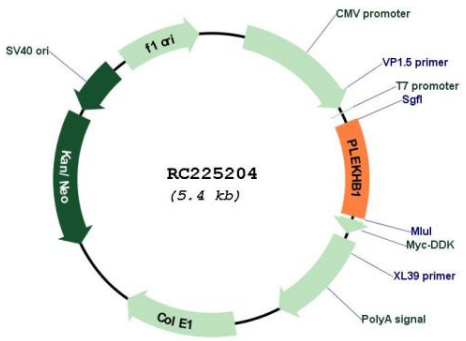
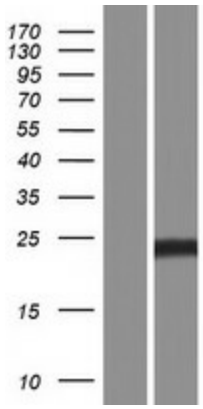
Locus ID:	58473
UniProt ID:	Q9UF11
Cytogenetics:	11q13.4
MW:	21.1 kDa

Product images:



Circular map for RC225204



Western blot validation of overexpression lysate (Cat# [LY427118]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225204 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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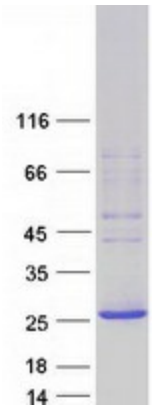

Coomassie blue staining of purified PLEKHB1 protein (Cat# [TP325204]). The protein was produced from HEK293T cells transfected with PLEKHB1 cDNA clone (Cat# RC225204) using MegaTran 2.0 (Cat# [TT210002]).

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