

Product datasheet for **RC225413**

PRR32 (NM_001122716) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PRR32
Synonyms:	CXorf64
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC225413 representing NM_001122716
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTTGATTGAAAACGTCCTTGAGGGCACGCCCTTCACCCTTGGTAGTATCTGTGGACAAAATG
GGAACCAGGAGCTGCACCACGACATGCCCCTGCAATGTCTGAGTTCCAAGCCAGAGGATGACGCAGAGCC
CTGGGGTCAACCTCAAGTACCGCTGAGACCTCCGTCATGTGCTGACTGATCTGGATAGCAAGCAACTG
GAGTGGCCCTCTGAAAGAACAGGATCCTGCATTCCTCTTCATAGCTTGAGAGCTCATAGACACCCCTACG
GGCCACCACCTGCTGTTGCAGAAGAGTCCCTAGCAACAGCAGAAAGTAAACAGCTCTGATGCACTGGCAGG
CTGGAGGCAGGAGGACAGGATGCTATTAATGTGTCTGGGAAGTCTCTGGCGGCCCTCCTGCACTGATA
GTAGGGGGCACAAAGGTCAACAATGGGGGCACTGAGAGAGGCAGTAATAACGCAAGGTTGCATGTAGCTT
TGCCACAAGGTAAAGGTTCTTTCCACCCAGGGGCCCAAGTGAGAGGCCCTTCACATATTCACCCCT
TAGATCAGGGATAGTAATGGAGGTGCCGCCGGAATACACGAATAGCCTGCAGAGGAAAGCTGGCTCAT
GTTTCTTTCCCACTCAGGGGCCATGCCACCCATGCATAATTGGCCAAGGCCTATCCCGTTGTCTTCCA
GTACTCCAGGTTTACCTTCTTGCTCTACTGTTTCATTGTTTCATCCCTCCTCGACCTCCGATTTTCAATCC
CTTTCTCACTATGCCTCTTCTTTGCTCCTCCTCCGATATTTGGTCTCCACTGCCTTCTATTTTGCC
CATTTCATTCTGGGGAATGCCAGCTCCTGCATCACCAACAGAGACACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC225413 representing NM_001122716

Red=Cloning site Green=Tags(s)

MACIENVLGGHAPSPLVVSVDKNGNQELHHDMPQLQCLSSKPEDDAEPWGPQVPLRPSVNVLTDLDSKQL
EWPSERTGSCIPHLRAHRHPYGPPIPAVAEESLATAEVNSSDALAGWRQEGQDAINVSWEVSGGPPALI
VGGTKVNNGGTERGSNNARLHVALPQKGFFPPRGQVRGPHSHIPTLRSGIVMEVPPGNTRIACRGLAH
VSFPLRGPCHPMHNWPRPIPLSSSTPGLPSCSTVHCFIPPRPPIFNPLTmplPFAPPIFGPPLPSYFA
HFHSGGMPAPASPNREHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8033_f02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001122716

ORF Size:

894 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_001122716.2](#)

RefSeq ORF: 897 bp

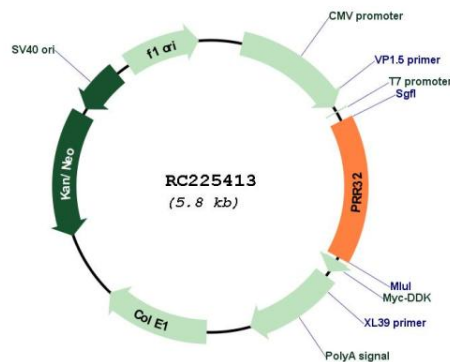
Locus ID: 100130613

UniProt ID: [BIATL7](#)

Cytogenetics: Xq25

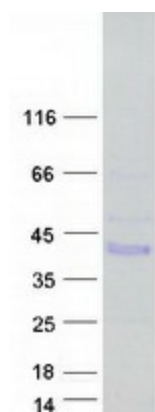
MW: 31.7 kDa

Product images:



Circular map for RC225413

Western validation with an anti-DDK antibody
 * L: Control HEK293 lysate R: Over-expression lysate



Coomassie blue staining of purified PRR32 protein (Cat# [TP325413]). The protein was produced from HEK293T cells transfected with PRR32 cDNA clone (Cat# RC225413) using MegaTran 2.0 (Cat# [TT210002]).