

Product datasheet for **RC223756**

PRR20A (NM_198441) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRR20A (NM_198441) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRR20A
Synonyms:	PRR20; PRR20B; PRR20C; PRR20D; PRR20E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223756 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAACCAAGGCCTTCGAAGCGACTTCGCTCCATGGCCCCTAATCAAGCCTCAGGTGGCCTCCTC
CAGAGCCAGGCTGCTGTGTTGCGGACCCTGAAGGCTCCGTGGAAGCAGATGGCCCGCACAGCCAGCCCA
ACCCGAAAACCCATCGTTACGTGAAACCCTTCAGACGGCAGCCCCAGCTCGCCAGAGTCACCCCT
CCTGCAGAGAGAGCCGGCGCCGGGAGGAAGCCGGCGCCAGGGCGAGGCCGTGGCAGAAGGGCTGGC
CCCGCGGGACGCTGGCCAGAGACAGGGGCAGAAGGCTTGATGGCACCGGACGTGCACATCCAAGTGA
CCACCATGGAGAGCCAGCCACCAGGGGAACCGAAATCACGGAGACCGCAGCCTTCTCCCTTTCTGAA
ACAGGTCTCCGCTGGAAGTGTGACGGAAGGCCCTGGCCCCGACGTGGCGCAACCTGAGCTGGGGTTTC
AGGAGCCGCCGCTGCTCCTGGGCCTCAGGCTGTTGACTGGCAACCCGCTTTGACCTCTATCCCTGCAT
CGGGTTTAGGGCTCTGGGTGACTCAGCGGTTTTACAAGTCATTCAAACCCCCAGGGCACCTACGTGCAA
GGGTCCAGTGTTCCTCACCGACATTGCGTAT

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC223756 protein sequence
 Red=Cloning site Green=Tags(s)

MEEPRPSKRLRSMAPNQASGGPPPEPGCCVADPEGSVEADGPAQPAQPAKPIAYVKPFRRQPPARPESPP
 PAERGRRRGGSSRRPGRGRRRAGPRGDAGQRQGAEGLMAPDVHIQLDHHGEPGHQGEPEITETAFLSE
 TGPPPGTVQEGPGPDVAQPELGFQEPPAAPGPQAVDWQPVLTLYPCIGFRALGDSAVLQVIQTPQGTYYVQ
 GVPVFLTDIAY

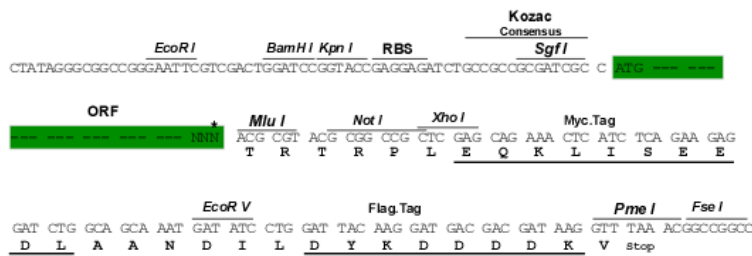
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6442_b09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_198441

ORF Size: 663 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.

RefSeq: [NM_198441.2](#), [NP_940843.1](#)

RefSeq Size: 1847 bp

RefSeq ORF: 666 bp

Locus ID: 122183

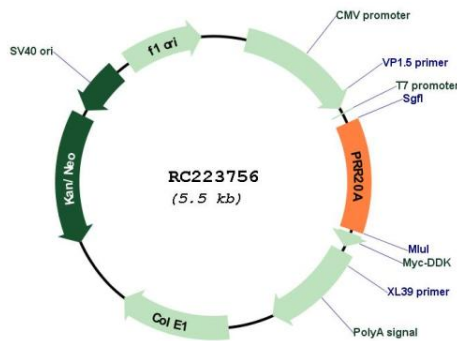
UniProt ID: [P86496](#)

Cytogenetics: 13q21.1

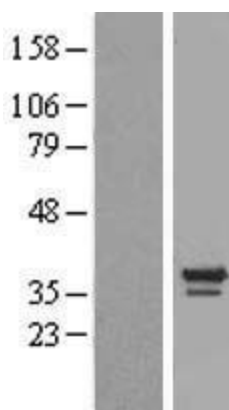
MW: 23.3 kDa

Gene Summary: This gene is one of five identical loci in a cluster on chromosome 13q21.1. The predicted protein is proline-rich and contains several dopamine D4 receptor signatures and PRINTS domains. [provided by RefSeq, Oct 2008]

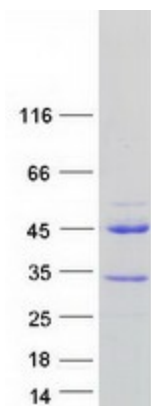
Product images:



Circular map for RC223756



Western blot validation of overexpression lysate (Cat# [LY404930]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223756 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PRR20A protein (Cat# [TP323756]). The protein was produced from HEK293T cells transfected with PRR20A cDNA clone (Cat# RC223756) using MegaTran 2.0 (Cat# [TT210002]).