

## Product datasheet for RC216132

### Prion protein PrP (PRNP) (NM\_183079) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prion protein PrP (PRNP) (NM_183079) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prion protein PrP
Synonyms:	AltPrP; ASCR; CD230; CJD; GSS; KURU; p27-30; PRIP; PrP; PrP27-30; PrP33-35C; PrPc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216132 representing NM_183079 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGAACCTTGGCTGCTGGATGCTGGTTCTCTTTGTGGCCACATGGAGTGACCTGGGCCTCTGCAAGA  
AGCGCCCGAAGCCTGGAGGATGGAACACTGGGGGCAGCCGATACCCGGGGCAGGGCAGCCCTGGAGGCAA  
CCGCTACCCACCTCAGGGCGGTGGTGGCTGGGGGCAGCCTCATGGTGGTGGCTGGGGGCAGCCTCATGGT  
GGTGGCTGGGGGCAGCCCATGGTGGTGGCTGGGGACAGCCTCATGGTGGTGGCTGGGGTCAAGGAGGTG  
GCACCCACAGTCAGTGAACAAGCCGAGTAAGCCAAAAACCAACATGAAGCACATGGCTGGTGGCTGCAGC  
AGCTGGGGCAGTGGTGGGGGGCCTTGGCGCTACATGCTGGGAAGTGCCATGAGCAGGCCCATCATACAT  
TTCGGCAGTGACTATGAGGACCGTTACTATCGTGAAAACATGCACCGTTACCCCAACCAAGTGTACTACA  
GGCCCATGGATGAGTACAGCAACCAGAACAACCTTTGTGCACGACTGCGTCAATATCACAATCAAGCAGCA  
CACGGTACCACAACCACCAAGGGGAGAACTTACCAGACCGACGTTAAGATGATGGAGCGCGTGGTT  
GAGCAGATGTGTATACCCAGTACGAGAGGGAATCTCAGGCCTATTACCAGAGAGGATCGAGCATGGTCC  
TCTTCTCTCCACCTGTATCCTCTGATCTCTTCTCATCTTCTGATAGTGGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

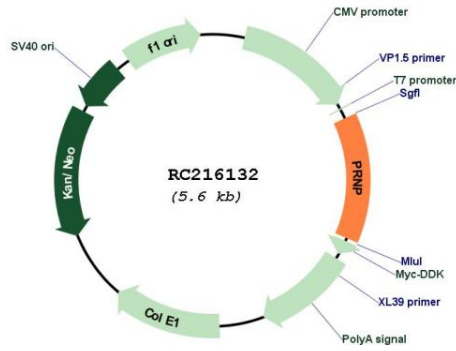


[View online »](#)



<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_183079.4</a>
<b>RefSeq Size:</b>	2479 bp
<b>RefSeq ORF:</b>	762 bp
<b>Locus ID:</b>	5621
<b>UniProt ID:</b>	<a href="#">P04156</a>
<b>Cytogenetics:</b>	20p13
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane
<b>Protein Pathways:</b>	Prion diseases
<b>MW:</b>	25.2 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a membrane glycosylphosphatidylinositol-anchored glycoprotein that tends to aggregate into rod-like structures. The encoded protein contains a highly unstable region of five tandem octapeptide repeats. This gene is found on chromosome 20, approximately 20 kbp upstream of a gene which encodes a biochemically and structurally similar protein to the one encoded by this gene. Mutations in the repeat region as well as elsewhere in this gene have been associated with Creutzfeldt-Jakob disease, fatal familial insomnia, Gerstmann-Straussler disease, Huntington disease-like 1, and kuru. An overlapping open reading frame has been found for this gene that encodes a smaller, structurally unrelated protein, AltPrp. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]</p>

Product images:



Circular map for RC216132