

## Product datasheet for **SC215678**

### Prion protein PrP (PRNP) (NM\_001080121) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Prion protein PrP (PRNP) (NM_001080121) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PRNP
Synonyms:	AltPrP; ASCR; CD230; CJD; GSS; KURU; p27-30; PRIP; PrP; PrP27-30; PrP33-35C; PrPc
ACCN:	NM_001080121
Insert Size:	1636 bp



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**Insert Sequence:** >SC215678 3'UTR clone of NM\_001080121  
 The sequence shown below is from the reference sequence of NM\_001080121. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCTTTCCTCATCTTCTGATAGTGGGATGAGGAAGTCTTCTGTTTTACCATCTTTCTAATCTTTTT
CCAGCTTGAGGGAGGCGGTATCCACCTGCAGCCCTTTTAGTGGTGGTGTCTCACTCTTCTCTCTCTT
TGTCCCGGATAGGCTAATCAATACCCTTGGCACTGATGGGCACTGGAAAACATAGAGTAGACCTGAGAT
GCTGGTCAAGCCCTTTGATTGAGTTCATCATGAGCCGTTGCTAATGCCAGGCCAGTAAAAGTATAAC
AGCAAATAACCATTGGTAACTGGACTATTTTTGGACTTAGTGAACAGGTTGAGGCTAAAACAAAT
CTCAGAACAGTCTGAAATACCTTTCCTGGATACCTCTGGCTCCTCAGCAGCTAGAGCTCAGTATACT
AATGCCCTATCTTAGTAGAGATTTAGATGATTTAGAGATATTTCCATTTAAGAAAACCCGACAAC
ATTTCTGCCAGGTTTGTAGGAGGCCACATGATACTTATCAAAAAAATCCTAGAGATTCTAGCTCTT
GGGATGCAGGCTCAGCCGCTGGAGCATGAGCTCTGTGTGTACCGAGAATGGGGTGATGTTTTACTTT
TCACAGTATGGGCTACACAGCAGCTGTTCAACAAGAGTAAATATTGTCACAACACTGAACCTCTGGCTA
GAGGACATATTCACAGTGAACATAACTGTAACATATGAAAAGGCTTCTGGGACTTGAATCAAATGTT
TGGGAATGGTGCCTTGGAGGCAACCTCCCATTTTAGATGTTTAAAGGACCCTATATGTGGCATTCCCT
TCTTTAACTATAGGTAATTAAGGCAGCTGAAAAGTAAATTCCTTAGACACTGAAGGCAAATCTCC
TTTGTCCATTTACCTGAAAACAGAATGATTTTGACATACAGGAGAGCTGCAGTTGTGAAAGCACCATC
ATCATAGAGGATGATGTAATTAATAAATGGTCAAGTTCATAGTTTCTGTAATTGGCTTTTGAATCA
AAGAATAGGAGACAATCTAAAAAATATCTTAGGTTGGAGATGACAGAAATATGATTGATTTGAAGTGG
AAAAAGAAATTCTGTTAATGTTAATTAAGTAAAATTATCCCTGAATTGTTGATATTGCACCTAGC
AGATATGTATTACTTTTCTGCAATGTTATTATTGGCTTGCACCTTGTGAGTATTCTATGAAAAATATA
TATGTATATAAAATATATATTGCATAGGACAGACTTAGGAGTTTTGTTTAGAGCAGTTAACATCTGAAG
TGTCTAATGCATTAACCTTTGTAAGGTAAGTACTGAATACTTAATATGTGGGAAACCTTTTGCCTGGTCTT
AGGCTTACAATGTGCACTGAATCGTTTCATGTAAGAATCCAAAGTGGACACCATTAAACAGGCTTTTGA
ATATGCATGTACTTTATATTTTCTATATTTGTAAGTTCATGTTCTTGTGTTTGTATATAAAAAAAT
GTAATGTTTAAATATCTGACTGAAATTAACGAGCGAAGATGAGCACCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001080121.3](#)

**Summary:**

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]

**Locus ID:**

5621

**MW:**

63.1