

Product datasheet for **SC215676**

Prion protein PrP (PRNP) (NM_001080122) Human 3' UTR Clone

Product data:

| | |
|---------------|---|
| Product Type: | 3' UTR Clones |
| Product Name: | Prion protein PrP (PRNP) (NM_001080122) 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_001080122 |
| Insert Size: | 1636 bp |



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Insert Sequence: >SC215676 3'UTR clone of NM_001080122
 The sequence shown below is from the reference sequence of NM_001080122. 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
TCTTTCCTCATCTTCTGATAGTGGGATGAGGAAGTCTTCTCTGTTTTACCATCTTTCTAATCTTTTT
CCAGCTTGAGGGAGGCGGTATCCACCTGCAGCCCTTTTAGTGGTGGTGTCTCACTCTTCTCTCTCTT
TGTCCCGGATAGGCTAATCAATACCCTTGGCACTGATGGGCACTGGAAAACATAGAGTAGACCTGAGAT
GCTGGTCAAGCCCTTTGATTGAGTTCATCATGAGCCGTTGCTAATGCCAGGCCAGTAAAAGTATAAC
AGCAAATAACCATTGGTAACTCTGGACTATTTTTGGACTTAGTGCAACAGGTTGAGGCTAAAACAAAT
CTCAGAACAGTCTGAAATACCTTTCCTGGATACCTCTGGCTCCTCAGCAGCTAGAGCTCAGTATACT
AATGCCCTATCTTAGTAGAGATTTAGTAGTATTTAGAGATATTTCCATTTTAAAGAAAACCCGACAAC
ATTTCTGCCAGGTTTGTAGGAGGCCACATGATACTTATCAAAAAAATCCTAGAGATTCTTAGCTCTT
GGGATGCAGGCTCAGCCGCTGGAGCATGAGCTCTGTGTGTACCGAGAATGGGGTGATGTTTTACTTT
TCACAGTATGGGCTACACAGCAGCTGTTCAACAAGAGTAAATATTGTCACAACACTGAACCTCTGGCTA
GAGGACATATTCACAGTGAACATAACTGTAACATATATGAAAGGCTTCTGGGACTTGAATCAAATGTT
TGGGAATGGTGCCTTGGAGGCAACCTCCCATTTTAGATGTTTAAAGGACCCTATATGTGGCATTCCCT
TCTTTAACTATAGGTAATTAAGGCAGCTGAAAAGTAAATTCCTTAGACACTGAAGGCAAATCTCC
TTTGTCCATTTACCTGAAAACCAAGATGATTTTGCATACAGGAGAGCTGCAGTTGTGAAAGCACCATC
ATCATAGAGGATGATGTAATTAATAAATGGTCAAGTGCAGTCAAGTTCATAGTTTCTGTAATGGCTTTGAAATCA
AAGAATAGGGAGACAATCTAAAAAATATCTTAGGTTGGAGATGACAGAAAATATGATTGATTTGAAGTGG
AAAAAGAAATTCTGTTAATGTTAATTAAGTAAAATTATCCCTGAATTGTTGATATTGTCACCTAGC
AGATATGTATTACTTTTCTGCAATGTTATTATTGGCTTGCACCTTGTGAGTATTCTATGAAAAATATA
TATGTATATAAAATATATATTGCATAGGACAGACTTAGGAGTTTTGTTTAGAGCAGTTAACATCTGAAG
TGTCTAATGCATTAACCTTTGTAAGGTAAGTACTGAATACTTAATATGTGGGAAACCTTTTGCCTGGTCTT
AGGCTTACAATGTGCACTGAATCGTTTCATGTAAGAATCCAAAGTGGACACCATTAAACAGGCTTTGAA
ATATGCATGTACTTTATATTTTCTATATTTGTAAGTCTTGCATGTTCTTGTGTTTGTATATAAAAAAAT
GTAATGTTAATATCTGACTGAAATTAACGAGCGAAGATGAGCACCA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_001080122.3](#)

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