

Product datasheet for **SC215675**

Prion protein PrP (PRNP) (NM_001080123) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Prion protein PrP (PRNP) (NM_001080123) 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_001080123
Insert Size:	1636 bp



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Insert Sequence: >SC215675 3'UTR clone of NM_001080123
 The sequence shown below is from the reference sequence of NM_001080123. 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
AGCAAATAACCATTGGTAACTCTGGACTATTTTTGGACTTAGTGAACAGGTTGAGGCTAAAACAAAT
CTCAGAACAGTCTGAAATACCTTTCCTGGATACCTCTGGCTCCTCAGCAGCTAGAGCTCAGTATACT
AATGCCCTATCTTAGTAGAGATTTAGATGATTTAGAGATATTTCCATTTTAAGAAAACCCGACAAC
ATTTCTGCCAGGTTTGTAGGAGGCCACATGATACTTATCAAAAAAATCCTAGAGATTCTTAGCTCTT
GGGATGCAGGCTCAGCCGCTGGAGCATGAGCTCTGTGTGTACCGAGAATGGGGTGATGTTTTACTTT
TCACAGTATGGGCTACACAGCAGCTGTTCAACAAGAGTAAATATTGTCACAACACTGAACCTCTGGCTA
GAGGACATATTCACAGTGAACATAACTGTAACATATATGAAAGGCTTCTGGGACTTGAATCAAATGTT
TGGGAATGGTGCCTTGGAGGCAACCTCCCATTTTAGATGTTTAAAGGACCCTATATGTGGCATTCCCT
TCTTTAACTATAGGTAATTAAGGCAGCTGAAAAGTAAATTCCTTAGACACTGAAGGCAAATCTCC
TTTGTCCATTTACCTGAAAACAGAAATGATTTTGCATACAGGAGAGCTGCAGTTGTGAAAGCACCATC
ATCATAGAGGATGATGTAATTAATAAATGGTCAAGTGCAGTCAAGTTCATAGTTTCTGTAATTGGCTTTGAAATCA
AAGAATAGGGAGACAATCTAAAAAATATCTTAGGTTGGAGATGACAGAAAATATGATTGATTTGAAGTGG
AAAAAGAAATTCTGTTAATGTTAATTAAGTAAAATTATCCCTGAATTGTTGATATTGCACCTAGC
AGATATGTATTACTTTTTGCAATGTTATTATTGGCTTGCACCTTGTGAGTATTCTATGAAAAATATA
TATGTATATAAAATATATATTGCATAGGACAGACTTAGGAGTTTTGTTTAGAGCAGTTAACATCTGAAG
TGTCTAATGCATTAACCTTTGTAAGGTAAGTACTGAATACTTAATATGTGGGAAACCTTTGCGTGGTCTT
AGGCTTACAATGTGCACTGAATCGTTTCATGTAAGAATCCAAAGTGGACACCATTAAACAGGCTTTGAA
ATATGCATGTACTTTATATTTTCTATATTTGTAAGTTCATGTTCTTGTGTTTGTATATAAAAAAAT
GTAATGTTTAAATATCTGACTGAAATTAACGAGCGAAGATGAGCACCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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_001080123.3](#)

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