

## Product datasheet for **SC201230**

### PSMA (FOLH1) (NM\_001014986) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PSMA (FOLH1) (NM_001014986) Human 3' UTR Clone
Symbol:	PSMA
Synonyms:	FGCP; FOLH; GCP2; GCPII; mGCP; NAALAD1; NAALAdase; PSM; PSMA
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001014986
Insert Size:	1694 bp



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**Insert Sequence:** >SC201230 3'UTR clone of NM\_001014986  
 The sequence shown below is from the reference sequence of NM\_001014986. 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
GCTGCAGAGACTTTGAGTGAAGTAGCCTAGAGGATTCTTTAGAGAATCCGTATTGAATTTGTGTGGTA
TGTCACTCAGAAAAGAAATCGTAATGGGTATATTGATAAAATTTAAAATTGGTATATTTGAAATAAAGTTG
AATATTATATATAGTTATGTGAGTGTATATATATGTGTGTGTTTATATTGTTTATCTTCTCCCTATGGA
TTAAAACGAATTTTATAAATTATAAGAGGTTATTCTGAAGTGGAAAAATTAACCTCAGTATTAATCTA
AGGAGAATGGCCTAATATAGTAAAACCTCATCTGGCATTATCAGGGAATCAAGTCTAATCTATTCATG
TCACTTACACAGAAGAAAACATCAGTATGTCAGAGAGCACACTGGGAATATGCACAAGATTATCCCA
AGCCAGAGGCTCACGGCTACCTGGCCAGCCTGGGCTGAGAGGATCACTATCTCAGCACACTATTTGG
GAAATGGATCAAATCACACTTTTAAAGTAAATGTTATCACTCTATAGCATAAGAAAATAATTATTTTTATT
TATATAAAAGGCTATAGTATAAAATATATGTATAGTAATTAATGAACACTTGTGAACCTAATAGCCAT
ATGAAGAAAATAACATTTCTAATATCTTTGGATGCCCCATGTAATAATGACAGTTATGCTTTTGCATTT
TCTTGAATTTTATGTTTATTTATCTTCTCTGTGATTATTTATAATTTTATCACACATGGCTGTATCC
TTTACATGTTTTGGCATTATGTATTTTTGAACTTTTTGTAAAGACAATCATACCATGTGTAAATTTTTCAG
GGACTTGATTTTTTTCATTGACTTTTAAAGGTTCAAATATATTATCACTGTGGCTGTAGTTTGCCATAT
TTTGCTGATATAGAGCATTCACTCACATGAGGGTAGGATTCAGGGTCCATCAAGACAGAGAAAACATAC
AGTAATGTGAATAGGAAAAGTTAATATGAAGAATTATTAATTGTTACAGCATTGGAACAATGAAATATT
GTCTAGTAAATGTAAAGAGAAGTCTCAAGAATATGTGATGAGCAGATGTAAGGAATTGCTCTTGCTC
CATGGTGAATTTGGAGCAGCCAATGAAGAGTCCCCTCACATTGTGGCCTCGCTCAAAGTTAAGAAGTCG
CTGTAGTGTGTCCTTGAAGAATCTGCTCAAATTTGACACTTCAGAACTCCCAGAACTTGTCTTCTG
GGCCAATGTGTAAGCTGTTTATGAAGAAATGTCAAGCCAGAGGGGCTCTACTACAAATTTGGCAAAGG
ACAATTTTCAGGAGAAGCTCTTGGCCGCTGGGTTCTCTGGCCACCATGAACTTCAGGAAGTGGGTGCCA
TAGCAGCAGCCTGAACTACAGAATCTGGGCACTGGTGTAGCTCTGTATGCCCTCCGTGTCAGATGCTGG
AGATGTCATTTGCATTGCCAGAGTTTGGCAAGGGTGCACACAGAAAGCAGATTGAAAAGCACCTCTTG
GAACATCTCTCCAATGCCTTCTACTCACAAAGTTAACATCATTAAACACGTGACAAGAAGAAGTATTT
AATGGGCCAGATCTATTTATGAAGACAATCAAGTGGGAGTTTGGAGTGGATAACCCAAATTTGGATAA
CTGGTGAATAATAAAATGTATTTATTTCTGCTGGTGTG
ACGCGTAAAGCGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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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\\_001014986.3](#)

**Summary:**

This gene encodes a type II transmembrane glycoprotein belonging to the M28 peptidase family. The protein acts as a glutamate carboxypeptidase on different alternative substrates, including the nutrient folate and the neuropeptide N-acetyl-L-aspartyl-L-glutamate and is expressed in a number of tissues such as prostate, central and peripheral nervous system and kidney. A mutation in this gene may be associated with impaired intestinal absorption of dietary folates, resulting in low blood folate levels and consequent hyperhomocysteinemia. Expression of this protein in the brain may be involved in a number of pathological conditions associated with glutamate excitotoxicity. In the prostate the protein is up-regulated in cancerous cells and is used as an effective diagnostic and prognostic indicator of prostate cancer. This gene likely arose from a duplication event of a nearby chromosomal region. Alternative splicing gives rise to multiple transcript variants encoding several different isoforms. [provided by RefSeq, Jul 2010]

**Locus ID:**

2346

**MW:**

64.7