

## Product datasheet for **SC204577**

### PSMA1 (NM\_002786) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PSMA1 (NM\_002786) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PSMA1  
**Synonyms:** HC2; HEL-S-275; NU; PROS30  
**ACCN:** NM\_002786  
**Insert Size:** 346 bp  
**Insert Sequence:** >SC204577 3'UTR clone of NM\_002786  
The sequence shown below is from the reference sequence of NM\_002786. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAAAAGGCTGATGAACCAATGGAACATTAAGTGATAAGCCAGTCTATATATGTATTATCAAATATGTAA
GAATACAGGCACCACATACTGATGACAATAATCTATACTTTGAACCAAAAGTTGCAGAGTGGTGGAAATG
CTATGTTTTAGGAATCAGTCCAGATGTGAGTTTTTTCCAAGCAACCTCACTGAAACCTATATAATGGAA
TACATTTTTCTTTGAAAGGGTCTGTATAATCATTTTTCTAGAAAGTATGGGTATCTATACTAATGTTTTT
ATATGAAGAACATAGGTGTCTTTGTGGTTTTAAAGACAAGTGTGAAATAAAATTGTTTCACCGCCTGGTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

**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\\_002786.4](#)



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**Summary:** The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the peptidase T1A family, that is a 20S core alpha subunit. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Jan 2009]

**Locus ID:** 5682

**MW:** 13.6