

## Product datasheet for **SC204576**

### PSMA1 (NM\_148976) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PSMA1 (NM_148976) Human 3' UTR Clone
Symbol:	PSMA1
Synonyms:	HC2; HEL-S-275; NU; PROS30
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_148976
Insert Size:	346 bp
Insert Sequence:	>SC204576 3'UTR clone of NM_148976 The sequence shown below is from the reference sequence of NM_148976. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAAAAGGCTGATGAACCAATGGAACATTAAGTGATAAGCCAGTCTATATGTATTATCAAATATGTAA
GAATACAGGCACCACATACTGATGACAATAATCTATACTTTGAACCAAAAGTTGCAGAGTGGTGAATG
CTATGTTTTAGGAATCAGTCCAGATGTGAGTTTTTTCCAAGCAACCTCACTGAAACCTATATAATGGAA
TACATTTTTCTTTGAAAGGGTCTGTATAATCATTTTTCTAGAAAGTATGGGTATCTATACTAATGTTTTT
ATATGAAGAACATAGGTGTCTTTGTGGTTTTAAAGACAACCTGTGAAATAAAATTGTTTACCGCCTGGTA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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:	<u><a href="#">NM_148976.3</a></u>



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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