

## Product datasheet for **SC201979**

### Proteasome subunit alpha type 6 (PSMA6) (NM\_002791) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Proteasome subunit alpha type 6 (PSMA6) (NM_002791) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PSMA6
Synonyms:	IOTA; p27K; PROS27
ACCN:	NM_002791
Insert Size:	217 bp
Insert Sequence:	>SC201979 3'UTR clone of NM_002791 The sequence shown below is from the reference sequence of NM_002791. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CACCTTGTGCTCTAGCAGAGAGAGACTAACATTGTCGTTAGTTTACCAGATCCGTGATGCCACTTAC CTGTGTGTTGGTAACAACAAACCAACATCATGGAGTCCCTGGATTGAAAAAGGAGCCTCTCCCACTC CTCCTACCACCGAAGTGGTTAGGACTCTATATAAATAAAAAACAAGGCTTTTGAAAATAATTGCATCCT GTTGTTTTCA ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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_002791.3</a></u>



[View online »](#)

**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. Multiple transcript variants encoding several different isoforms have been found for this gene. A pseudogene has been identified on the Y chromosome. [provided by RefSeq, Aug 2013]

**Locus ID:**

5687

**MW:**

8.3