

## Product datasheet for SC204194

### PSMB9 (NM\_002800) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PSMB9 (NM_002800) Human 3' UTR Clone
Symbol:	PSMB9
Synonyms:	beta1i; LMP2; PRAAS3; PSMB6i; RING12
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002800
Insert Size:	349 bp
Insert Sequence:	<p>&gt;SC204194 3'UTR clone of NM_002800</p> <p>The sequence shown below is from the reference sequence of NM_002800. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
AATGAAGTCCAAAATTCTATGATGAGTGAACCTTCCCCAGACTTCTCTTCTTATTTGTAATAAACT
CTCTAGGGCCAAAACCTGGTATGGTCATTGGGAAATGAGTGCTCAGGGAGATGGAGCTTAGGGGAGGTG
GGTGCTTCCCTCCTAGATGTCAGCATACACTCTTCTTCTTTGTCCAGGTCTAAAACATCTTTCCTA
GAGAAAACAAAAGGGACTAACTAGAAATATAAGAGCCCTATACATGACAGGTGATCACGTACTGAAT
GATTTTGAAGTAGTACAAACAATAAAAATTCTATTCCGCATCATCATGCGGTCCATGATGATGAGGCC
GCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

Restriction Sites:	Sgfl-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.


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**RefSeq:** NM\_002800.5

**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 proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. This gene is located in the class II region of the MHC (major histocompatibility complex). Expression of this gene is induced by gamma interferon and this gene product replaces catalytic subunit 1 (proteasome beta 6 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. [provided by RefSeq, Mar 2010]

**Locus ID:** 5698

**MW:** 13.2