

## Product datasheet for **SC206779**

### PSMB5 (NM\_001144932) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PSMB5 (NM\_001144932) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PSMB5  
**Synonyms:** LMPX; MB1; X  
**ACCN:** NM\_001144932  
**Insert Size:** 528 bp  
**Insert Sequence:** >SC206779 3'UTR clone of NM\_001144932  
The sequence shown below is from the reference sequence of NM\_001144932. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGGCAAGGCCTACTACGTGGACAGTGAAGGGAACCGGATTTCAAGGGCCACCTTCTCTGTAGGTTC
TGGCTCTGTGTATGCATATGGGGTCATGGATCGGGGCTATTCCTATGACCTGGAAGTGGAGCAGGCCTA
TGATCTGGCCCGTCGAGCCATCTACCAAGCCACCTACAGAGATGCCTACTCAGGAGGTGCAGTCAACCT
CTACCACGTGCGGGAGGATGGCTGGATCCGAGTCTCCAGTGACAATGTGGCTGATCTACATGAGAAGTA
TAGTGGCTCTACCCCTGAAAGAGGGTGGATGCAGCTGCTTGTGTTTCTTGGGGTACTGTCATTGGTA
ATACGGACACAGTGACCCATCCTCCATCCTATTTATAGTGAAGGGCCTTCAATTGTATCAGTACTTTT
TTTTAAGCTCTGGCACATTGACCTCTATGTGTACCAGTCATTAATGAGCTGCTGCAGAGGTGACTATT
TGTTTTACTTTCTGGATGTTAACATTACACTACTCACTACTCAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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.

**RefSeq:** [NM\\_001144932.3](#)



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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 proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit in the proteasome. This catalytic subunit is not present in the immunoproteasome and is replaced by catalytic subunit 3i (proteasome beta 8 subunit). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2009]

**Locus ID:**

5693

**MW:**

19.4