

## Product datasheet for **SC203274**

### PSMB8 (NM\_148919) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PSMB8 (NM_148919) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PSMB8
Synonyms:	ALDD; D6S216; D6S216E; JMP; LMP7; NKJO; PRAAS1; PSMB5i; RING10
ACCN:	NM_148919
Insert Size:	272 bp
Insert Sequence:	>SC203274 3'UTR clone of NM_148919 The sequence shown below is from the reference sequence of NM_148919. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTGCACCAGTACCGGGAAGCCAATCAATATGGTGGTGGTGGCAGCTGGGCAGGTCTCCTCTGGGAGGT CTTGCCCGACTCAGGGACCTAAGCCACGTTAAGTCCAAGGAGAAGAAGAGCCTAGCCTGAGCCAAAGA GAGAGTACGGGCTCAGCAGCCAGAGGAGCCGGTGAAGTGCATCTTCTGCGTGTCTCTATTTGAACAA GCATTTCCCCAGGGAAGTTTCTGGGTGCCCACTAAGTAGAATAAAGAAAAACGTTATAAATA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG  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_148919.4</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 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 3 (proteasome beta 5 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. Two alternative transcripts encoding two isoforms have been identified; both isoforms are processed to yield the same mature subunit. [provided by RefSeq, Jul 2008]

**Locus ID:** 5696

**MW:** 10.1