

Product datasheet for **SC203166**

PSMB5 (NM_001130725) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PSMB5 (NM_001130725) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PSMB5
Synonyms:	LMPX; MB1; X
ACCN:	NM_001130725
Insert Size:	285 bp
Insert Sequence:	>SC203166 3'UTR clone of NM_001130725 The sequence shown below is from the reference sequence of NM_001130725. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCA ACGATCGCC CATGAGAAGTATAGTGGCTCTACCCCT TGA AAGAGGGTGGATGCAGCTGCTTGTGTTTCTTGGGGTGAC TGTCATTGGTAATACGGACACAGTGACCCATCCTCCATCCTATTATAGTGGAAGGGCCTTCAATTGTA TCAGTACTTTTTTTAAGCTCTGGCACATTGACCTCTATGTGTTACCAGTCATTAATGAGCTGCTGCAG AGGTGACTATTTGTTTTACTTTCTTGGATGTTAACATTACACTACTCACTACTCAATCTCAAAAAAAAA AAAAAAAA ACGCGT AAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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:	<u>NM_001130725.1</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 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: 11