

Product datasheet for **SC201592**

Proteasome 20S beta 7 (PSMB7) (NM_002799) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Proteasome 20S beta 7 (PSMB7) (NM_002799) Human 3' UTR Clone
Symbol:	Proteasome 20S beta 7
Synonyms:	Z
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002799
Insert Size:	163 bp
Insert Sequence:	>SC201592 3'UTR clone of NM_002799 The sequence shown below is from the reference sequence of NM_002799. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC GAAACAGTCCAAACAATGGACACTTCC TGA ATGGCATCAGTGGGTGGCTGGCCGCGGTTCTGGAAGGTG GTGAGCATTGAGGCCAGTAAGACTCATGTGGCTAGTGTGGCCGAATGAACTCAACTCAATAAAA AACAAAAACCAATTGGGCAGCTGA ACGCGT AAGCGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA 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:	<u>NM_002799.4</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. The encoded protein is a member of the proteasome B-type family, also known as the T1B family, and is a 20S core beta subunit in the proteasome. Expression of this catalytic subunit is downregulated by gamma interferon, and proteolytic processing is required to generate a mature subunit. A pseudogene of this gene is located on the long arm of chromosome 14. [provided by RefSeq, Jul 2012]

Locus ID:

5695

MW:

6.1