

## Product datasheet for **SC204794**

### 26S proteasome non ATPase regulatory subunit 12 (PSMD12) (NM\_002816) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** 26S proteasome non ATPase regulatory subunit 12 (PSMD12) (NM\_002816) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PSMD12  
**Synonyms:** p55; Rpn5; STISS  
**ACCN:** NM\_002816  
**Insert Size:** 364 bp  
**Insert Sequence:** >SC204794 3' UTR clone of NM\_002816  
The sequence shown below is from the reference sequence of NM\_002816. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCA**ACGATCGC**

CGCATCTCATAGCCAAAGAGGAGATGATACATAATCTACA**TA**GGGTCTTAGTGCTTTAGAAAAAGTT  
AAAATTGGAAGTCATTAAGAAAAAGACTGTTATAATGGTGATATGTTGGGTTTTTTTTCTAAGCTTCTT  
TGCTTAAATTTAAAATAGTGAATATGTTGAGACTCCCTTTGACCTTTCAGTCCCAAGTTCATTGT  
TAACCTTGCAATTTGCAATTTGGTCAAAAATACAGATTTCTGTCGTCTGAATACACAAAAAGTTGTGTCAT  
AACTTACCCAGATATGTTTTCTATCATTTGAAACCTTTTAGCTACTGTTTGTTCATTCAACTAACA  
AACATATTCCAATA

**ACGCGT**AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

**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.



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RefSeq: [NM\\_002816.3](#)

**Summary:** The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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 non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

Locus ID: 5718