

Product datasheet for **SC204540**

26S proteasome non ATPase regulatory subunit 12 (PSMD12) (NM_174871) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: 26S proteasome non ATPase regulatory subunit 12 (PSMD12) (NM_174871) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: PSMD12
Synonyms: p55; Rpn5; STISS
ACCN: NM_174871
Insert Size: 364 bp
Insert Sequence: >SC204540 3' UTR clone of NM_174871
The sequence shown below is from the reference sequence of NM_174871. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCA**ACGATCGC**

CGCATCTCATAGCCAAAGAGGAGATGATACATAATCTACA**TA**AGGGTCTTAGTGCTTTAGAAAAAGTT
AAAATTGGAAGTCATTAAGAAAGACTGTTATAATGGTGATATGTTGGGTTTTTTTTCTAAGCTTCTT
TGCTTAAATTTAAAATAGTGAATATGTTGAGACTCCCTTTGACCTTTCAGTCCCAAGTTCATTGT
TAACCTTGCAATTTGCAATTTGGTCAAAAATACAGATTTCTGTCGTCTGAATACACAAAAGTTGTGTCAT
AACTTACCCAGATATGTTTTCTATCATTTGAAACCTTTTAGCTACTGTTTGTTCATTCAACTAACA
AACATATTCCAATA

ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

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.



[View online »](#)

RefSeq: [NM_174871.2](#)

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