

Product datasheet for **SC202435**

Proteasome 20S alpha 5 (PSMA5) (NM_002790) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Proteasome 20S alpha 5 (PSMA5) (NM_002790) Human 3' UTR Clone
Symbol:	Proteasome 20S alpha 5
Synonyms:	PSC5; ZETA
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002790
Insert Size:	2000 bp



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Insert Sequence: >SC202435 3'UTR clone of NM_002790
 The sequence shown below is from the reference sequence of NM_002790. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
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TTCTTATAAGGAGATGCTACTAATTGACTATCAGAAGAACATGTTTTGAGGTCCTCTCAAAACATTGA
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CGTTCCGCTCAGCTTAAGTTGTTTTCCCTCCCCTGGCTGGGCGAGCATATTTGTGTTTTACCTGGTAAA
ACAGTAAATTTTCGTACCTTCTATAATTGGCATTCTTCAAAGAGGTAGAATTTGATTTTTTTGTAGAA
ACGCGTAAAGCGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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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: [NM_002790.4](#)

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 peptidase T1A family, that is a 20S core alpha subunit. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]

Locus ID:

5686

MW:

76.3