

Product datasheet for **SC202480**

S4 (PSMC1) (NM_002802) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	S4 (PSMC1) (NM_002802) Human 3' UTR Clone
Symbol:	S4
Synonyms:	P26S4; p56; RPT2; S4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002802
Insert Size:	2000 bp



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Insert Sequence: >SC202480 3'UTR clone of NM_002802
The sequence shown below is from the reference sequence of NM_002802. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
GAAGGCACCCCTGAGGGGCTGTATCTCTAATGAACCATGGCTGTCATCAGGAAAATGGTTGGGAGATTT
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AGCAAAACATCCTGTGTCTTTGGAGTACGATGTGTAAGTGCCCATGGGTGGCCTGTTGGTCACTGTG
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AGAGCCCAAGTGGGTGAGGAAGGCATCTGCAGGGACGGGGTGGTGGCAGGGGAGGGAGGCTGCTTATG
ACGCGTAAGCGGCCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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: [NM_002802.3](#)

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 one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. This subunit and a 20S core alpha subunit interact specifically with the hepatitis B virus X protein, a protein critical to viral replication. This subunit also interacts with the adenovirus E1A protein and this interaction alters the activity of the proteasome. Finally, this subunit interacts with ataxin-7, suggesting a role for the proteasome in the development of spinocerebellar ataxia type 7, a progressive neurodegenerative disorder. [provided by RefSeq, Jul 2008]

Locus ID:

5700

MW:

72.9