

Product datasheet for SC330702

PSMD9 (NM_001261400) Human Untagged Clone

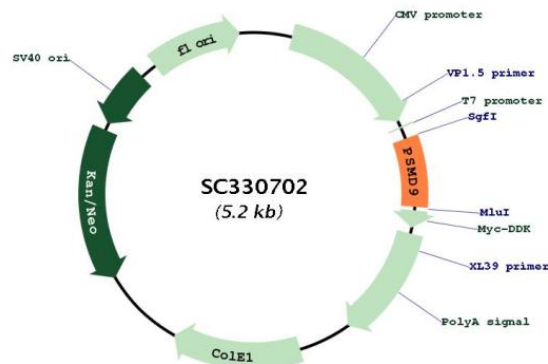
Product data:

Product Type:	Expression Plasmids
Product Name:	PSMD9 (NM_001261400) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSMD9
Synonyms:	p27; Rpn4
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330702 representing NM_001261400. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCCGACGAGGAAGCGAGGCAGAGCGGAGGCTCCTCGCAGGCCGGCGTCGTGACTGTCAGCGACGTC
CAGGAGCTGATGCGGCGCAAGGAGGAGATAGAAGCGCAGATCAAGGCCAACTATGACGTGCTGGAAAGC
GGTCTGCAAGTGGATGATGAGATTGTGGAGTTCGGCTCTGTGAACACCCAGAACTCCAGTCACTGCAT
AACATTGGCAGTGTGGTGCAGCACAGTGAGGGGAAGCCCTGAATGTGACAGTATCCGCGAGGGGGAA
AAACACCAGCTTAGACTTGTCCAACACGCTGGGCAGGAAAAGGACTGCTGGGCTGCAACATTATTCCT
CTGCAAAGATGA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001261400



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Insert Size:	357 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001261400.1</u>
RefSeq Size:	2053 bp
RefSeq ORF:	357 bp
Locus ID:	5715
UniProt ID:	<u>O00233</u>
Cytogenetics:	12q24.31
MW:	13.1 kDa
Gene Summary:	<p>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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, May 2012]</p> <p>Transcript Variant: This variant (2) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>