

Product datasheet for **SC310593**

PSMA8 (NM_144662) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMA8 (NM_144662) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSMA8
Synonyms:	PSMA7L
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_144662, the custom clone sequence may differ by one or more nucleotides ATGGCGTCTCGATATGACAGGGCGATCACTGTCTTCTCCCGACGCGACACCTTTTTCAA GTTGAATATGCCAGGAAGCGGTGAAGAAAGGATCCACCGCGGTCGGAATTCGAGGTACC AATATAGTTGTTCTTGGGGTAGAAAAAATCTGTTGCCAAGCTTCAAGATGAAAGAACT GTGAGGAAAATTTGTGCCCTTGATGACCATGTCTGCATGGCTTTTGCAGTTTGCACAATT TTTATAGGACTTACTGCTGATGCTAGAGTAGTAATAAACAGAGCCCGTGGAGTGCCAG AGCCATAAGCTTACGGTTGAGGACCCAGTCACTGTAGAATACATAACTCGCTTCATAGCA ACTTTAAAGCAGAAATATACCCAAAGCAATGGACGAAGACCTTTTGGTATTTCTGCCTTA ATTGTAGGTTTTGATGATGATGGTATCTCAAGATTGTATCAGACAGATCCTTCTGGTACT TATCATGCTTGGAAAGGCAATGCAATAGGCCGAAGTGCTAAAACCTGTTCCGAGAATTTCTA GAAAAGAATTACACAGAAGATGCCATAGCAAGTGACAGTGAAGCTATCAAGTTAGCAATA AAAGCTTTGCTAGAAGTTGTCCAGTCTGGTGGAAAAAACATTGAACCTTGCTATAATAAGA AGAAATCAACCTTTGAAGATGTTTAGTGCAAAAGAAGTTGAATTATGTAACTGAAATA GAAAAGGAAAAGGAAGAAGCAGAGAAGAAAAATCAAAGAAATCTGTCTAA
Restriction Sites:	Please inquire
ACCN:	NM_144662
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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Reconstitution Method:

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: [NM_144662.2](#), [NP_653263.2](#)

RefSeq Size: 1829 bp

RefSeq ORF: 771 bp

Locus ID: 143471

UniProt ID: [Q8TAA3](#)

Cytogenetics: 18q11.2

Protein Families: Druggable Genome, Protease

Protein Pathways: Proteasome

Gene Summary: Component of the spermatoproteasome, a form of the proteasome specifically found in testis that promotes degradation of histones, thereby participating actively to the exchange of histones during spermatogenesis. The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1).