

Product datasheet for **SC125828**

PSMA8 (BC025389) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMA8 (BC025389) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSMA8
Synonyms:	PSMA7L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for BC025389 edited
 AGCGCGGTAGCACGCTGTGTTGGCGGCGCTCCCCGCTTGCCTCAGCTGCAGCAGCGGGA
 AGCTCGGTGGCAAGCCCTGTAGTCCTGTGCGATGGCGTCTCGATATGACAGGGCGATCA
 CTGTCTTCTCCCCAGACGGACACCTTTTTCAAGTTGAATATGCCAGGAAGCGGTGAAGA
 AAGGATCCACCGCGTGGAAATTCGAGGTACCAATATAGTTGTTCTTGGGGTAGAAAAA
 AATCTGTTGCCAAGCTTCAAGATGAAAGAACTGTGAGGAAAATTTGTGCCCTTGATGACC
 ATGTCTGCATGGCTTTTGCAGTTTTGACAATTTTTATAGGACTTACTGCTGATGCTAGAG
 TAGTAATAAACAGAGCCCGTGTGGAGTGCCAGAGCCATAAGCTTACGGTTGAGGACCCAG
 TCACTGTAGAATACATAACTCGTTCATAGCAACTTTAAAGCAGAAATATACCCAAAGCA
 ATGACGCAAGACCTTTTGGTATTTCTGCCTAATTGTAGGTTTTGATGATGATGGTATCT
 CAAGATTGTATCAGACAGATCCTTCTGGTACTTATCATGCTTGGAAAGCAAATGCAATAG
 GCCGAAGTGCTAAAAGTTCGAGAAATTTCTAGAAAAGAATTACACAGAAGATGCCATAG
 CAAGTGACAGTGAAGCTATCAAGTTAGCAATAAAAGCTTGTCTAGAAGTTGTCCAGTCTG
 GTGGAAGAAACATTGAACTTGTATAATAAGAAGAAATCAACCTTTGAAGATGTTTAGTG
 CAAAAGAAGTTGAATTATATGTAAGTAAATAGAAAAGTAAAAGGAAGAAGCAGAGAAGA
 AAAAATCAAAGAAATCTGTCTAATTCTTAGGATGACCACTGGGAGGTCTTAATGTTTTGT
 TTTATTGTACTGCCTGAGGTTGTTTAGTGAAATTTTAGAGGAAAACAGTTATTTTGCAGC
 ATTACATGCAGTACTTGTGTGATGTTTTGAGAATGCCAGATCTGTGGCTGTCTTCATTCT
 ATTACATAGTCAAACATAGGTTTATGTGAAGATTTTCTTTGAAAGGGGATTTTCAGTAATT
 GTTGAGAGCAGTCATAATCCACATAAGCCTGAGACTCTATAATTTGCCAGTGTCTTAC
 TTACCTTCATATATGCAAATAAATTTAAAAAATTTTAAATTAATAAATAAATAAATAA
 TTGGTGATGTTGAATATTGACTGTCAGTTAAGGACATAGCTATCCAAATAAACTAAAT
 ATAATATTGAGCTGCATTTCTCAAAGAATGACAAAAGCATCCTTATACTGATGAGTTCTT
 AAAATTTTGTGAGAGCCTTCTTCATTTTACAATATTTTGTATTTTTATTTTACCTTTTT
 CTTTTTACAATATTTTCGTTATTTTTATTTTACCTTTTTTCAATTTTACAAGTTGCAATAT
 TGTTTTCGTTTATGGAACAAATATAGGCTGAATTCAAACATGCAATTAAGCATGGGAAGA
 GCTTCTAAGGGCATCTTAACAGGATGCTACATGAAAATAAGGAAAGAAATTAATACATAT
 CACTTTTAGTTAGATTTTTATTTTATCTCAAGTATGTCCAGTGTGTTCCGGTTTGTACA
 TATTCATGAAATATCTGAGTGTGATTTTATGATTGGTATTATGGAAGGCTTATTGGGG
 GAACAAGAAAAATATAAAAAGTATCTCTGCCACGGAAAGGATTAATCCAAATGGTCC
 ACAAGAGGAATGTCTTAATTCCTACAGTGAGTTATATTTTTGAAAATAAAAGCTAGTA
 AATATTCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC025389 unedited
 TTTGTATACCATCTTATAGGCGGCCGATAACTTCGTATAGCATACATTATACGAAGTTA
 TGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGCGGTAGCACGCTGTGTTG
 GCGGCGGCTCCCCGCTTGCCTCAGCTGCAGCAGCGGGAAGCTCGGTGGCAAGCCCTTGTA
 GTCTGTGCGATGGCGTCTCGATATGACAGGGCGATCACTGTCTTCTCCCAGACGGACA
 CCTTTTTCAAGTTGAATATGCCAGGAAGCGGTGAAGAAAGGATCCACCGCGTCCGAAT
 TCGAGGTACCAATATAGTTGTTCTTGGGGTAGAAAAAAATCTGTTGCCAAGCTTCAAGA
 TGAAAGAACTGTGAGGAAAATTTGTGCCCTTGATGACCATGTCTGCATGGCTTTTGCAGT
 TTTGACAATTTTTATAGGACTTACTGCTGATGCTAGAGTAGTAATAAACAGAGCCCGTGT
 GGAGTGCCAGAGCCATAAGCTTACGGTTGAGGACCCAGTCACTGTAGAATACATAACTCG
 CTTCATAGCAACTTTAAAGCAGAAATATACCCAAAGCAATGGACGAAGACCTTTTGGTAT
 TTCTGCCCTAATGTANGTTTTGATGATGATGGTATCTCAAGATTGTATCAGACAGATCC
 TTCTGGGGTACTATCATGCTGGAAGCAAATGCAATAGGCCCGAGTGCTTAAACTGTCGA
 GAATTTCTAGAAAGGATTACCCCGAGATGCCCTAGCAAGTGACAGTGAAGCTATCAGGTT
 AGCATAAAGCTTTGCTAGNAATTGTTCAATCTGGTGGAAAAAACATGGACTTGCTATTAT
 AGGAGAAATCANCCTTTGAGAAGTTTAGTGCAAAAAGAGTTGAATAATTGTACCTGAAAT
 AGAAAGGAAAGGAAGAACCCCAAAAAAATAAATCCAGAAATCTGGCTCATTCTTAGATG
 ACCCCG

Restriction Sites:	NotI-NotI
ACCN:	BC025389
Insert Size:	1800 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to BC025389.
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:	BC025389.1
RefSeq Size:	1823 bp
Locus ID:	143471
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]