

## Product datasheet for **SC320829**

### PSMA4 (NM\_002789) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PSMA4 (NM\_002789) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PSMA4  
**Synonyms:** HC9; HsT17706; PSC9  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_002789.3  
 GCGCATGCGCGGGGCCATATTAGCAGCGGTTATTCGGTGAGCGGTGGTGGTTTATTCTT  
 CCGCGGAGTTAAGGGCTCCGTGGACATCTCAGGCTTCAGGGTCTCCATCTGGAACAT  
 ATAAAGTTCAGAAAACATGTCTCGAAGATATGACTCCAGGACACTATATTTTCTCCAGA  
 AGGTCGCTTATACCAAGTTGAATATGCCATGGAAGCTATTGGACATGCAGGCACCTGTTT  
 GGGAAATTTAGCAAATGATGGTGTGTTTCTGCTTGCAGCAGAGAGACGCAACATCCACAAGCT  
 TCTTGATGAAGTCTTTTTTCTGAAAAATTTATAAACTCAATGAGGACATGGCTTGCAG  
 TGTGGCAGGCATAACTTCTGATGCTAATGTTCTGACTAATGAACTAAGGCTCATTGCTCA  
 AAGGTATTTATTACAGTATCAGGAGCCAATACCTTGTGAGCAGTTGGTTACAGCGCTGTG  
 TGATATCAAACAAGCTTATACACAATTTGGAGGAAAACGTCCTTTGGTGTTCATTGCT  
 GTACATTTGGCTGGGATAAGCACTATGGCTTTCAGCTCTATCAGAGTGACCCTAGTGGAAA  
 TTACGGGGGATGGAAGGCCACATGCATTGGAAAT AATAGCGCTGCAGCTGTGCAATGTT  
 GAAACAAGACTATAAAGAAGGAGAAATGACCTTGAAGTCAGCACTTGCTTTAGCTATCAA  
 AGTACTAAATAAGACCATGGATGTTAGTAACTCTCTGCTGAAAAAGTGGAAATTGCAAC  
 ACTAACAAGAGAGAATGGAAAGACAGTAATCAGAGTTCTCAAACAAAAGAGTGGAGCA  
 GTTGATCAAAAAACAGGAGGAAGAAGCAAGCTGAGCGTGAGAAGAAAAGAAAAGA  
 ACAGAAAAGAAAAGGATAAATAGAATCAGAGATTTTACTCATTGGGGCACCATTTC  
 GTGTAAGCAGTCCCTACTCTCCACACTAGGAAGGCTTACTTTTTTAACTGGTGCAG  
 TGGGAAAATAGGACATTACATACTGAATTGGGTCCTTGTCAATTTCTGCCAATTGAATAC  
 TTTATTGTAACGATGATGGTTACCCTTCATGGAGCTCTTAATCTTCCACACACATCCCCT  
 TTTTTTGAATAAAATTTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_002789



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_002789.3</a></u> , <u><a href="#">NP_002780.1</a></u>
<b>RefSeq Size:</b>	1189 bp
<b>RefSeq ORF:</b>	786 bp
<b>Locus ID:</b>	5685
<b>UniProt ID:</b>	<u><a href="#">P25789</a></u>
<b>Cytogenetics:</b>	15q25.1
<b>Domains:</b>	proteasome
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Protein Pathways:</b>	Proteasome
<b>Gene Summary:</b>	This gene encodes a core alpha subunit of the 20S proteasome, which is a highly ordered ring-shaped structure composed of four rings of 28 non-identical subunits. Proteasomes cleave peptides in an ATP- and ubiquitin-dependent manner. [provided by RefSeq, Aug 2016]