

Product datasheet for **RG205917**

PSMA3 (NM_002788) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSMA3 (NM_002788) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PSMA3
Synonyms:	HC8; PSC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205917 representing NM_002788 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTCAATCGGCACTGGGTATGACCTGTCAGCCTCTACATTCTCCTGACGGAAGAGTTTTTCAAG
TTGAATATGCTATGAAGGCTGTGAAAAATAGTAGTACAGCTATTGGAATCAGATGCAAAGATGGTGTGT
CTTTGGGGTAGAAAAATTAGTCCTTTCTAACTTTATGAAGAAGGTTCCAACAAAAGACTTTTTAATGTT
GATCGGCATGTTGAATGGCAGTAGCAGGTTTGTGGCAGATGCTCGTCTTTAGCGGACATGGCAAGAG
AAGAAGCTTCCAACCTCAGATCTAACTTTGGCTACAACATCCACTAAAACATCTGCAGACAGAGTGGC
CATGTATGTGCATGCATATACACTCTACAGTGTGTTAGACCTTTTGGCTGCAGTTTCATGTTAGGGTCT
TACAGTGTGAATGACGGTGCGCAACTCTACATGATTGACCCATCAGGTGTTTCATACGGTATTGGGGCT
GTGCCATCGGCAAAGCCAGACAAGCTGCAAAGACGAAATAGAGAAGCTTCAGATGAAAGAAATGACCTG
CCGTGATATCGTTAAAGAAGTTGCAAAAATAATTTACATAGTACATGACGAAAGTTAAGGATAAAGCTTTT
GAACTAGAACTCAGCTGGGTTGGTGAATTAATAATGGAAGACATGAAATTGTTCCAAAAGATATAAGAG
AAGAAGCAGAGAAATATGCTAAGGAATCTCTGAAGGAAGAAGATGAATCAGATGATGATAATATG

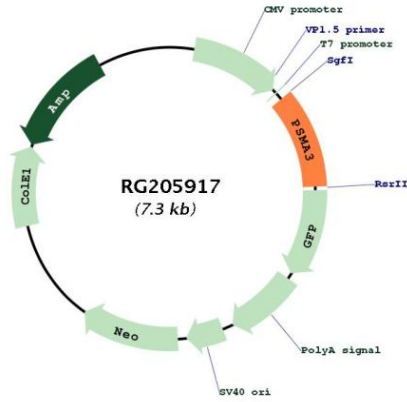
AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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:	NM_002788.2 , NP_002779.1
RefSeq Size:	949 bp
RefSeq ORF:	768 bp
Locus ID:	5684
UniProt ID:	P25788
Cytogenetics:	14q23.1
Domains:	proteasome
Protein Families:	Druggable Genome, Protease, Stem cell - Pluripotency
Protein Pathways:	Proteasome
Gene Summary:	<p>The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 member of the peptidase T1A family, that is a 20S core alpha subunit. Two alternative transcripts encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RG205917