

# Recombinant Full Length Human PSMA3 Protein, MYC/DDK-tagged

**Cat. No.** PSMA3-3063H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human PSMA3 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-255 a.a.
<b>Description</b>	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.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	28.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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**Concentration** >50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** PSMA3 proteasome (prosome, macropain) subunit, alpha type, 3 [ Homo sapiens ]

**Official Symbol** PSMA3

**Synonyms** HC8; PSC3

**Gene ID** 5684

**mRNA Refseq** NM\_002788

**Protein Refseq** NP\_002779

**MIM** 176843

**UniProt ID** P25788

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