

---

## Product Data Sheet

---

Product Name: PSMA6 Human  
 Cat. No.: GP22178  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Proteasome (prosome; macropain) subunit alpha type 6; PROS27; p27K; IOTA; Macropain iota chain; Multicatalytic endopeptidase complex iota chain; Proteasome iota chain; 27 kDa prosomal protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSRGSS AGFDRHITIF SPEGRLYQVE YAFKAINQGG LTSVAVRGKD CAVIVTQKKV PDKLLDSSTVTHLFKITENI GCVMTGMTAD SRSQVQRARY EAANWKYKYG YEIPVDMLCK RIADISQVYT QNAEMRPLGC CMILIGIDEE QGPQVYKCDP AGYYCGFKAT AAGVKQTEST SFLEKKVKKK FDWTFEQTVE TAITCLSTVL SIDFKPSEIE VGVVTVENPK FRILTEAEID AHLVALAERD		
Formulation	PSMA6 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 40% glycerol.		

### Introduction

PSMA6 belongs to the peptidase T1A family, which is a 20S core alpha subunit. The proteasome is a multicatalytic proteinase complex with an extremely organized ring-shaped 20S core structure. The core structure consists of 4 rings of 28 non-identical subunits; 2 rings consist of 7 alpha subunits and 2 rings consist of 7 beta subunits. PSMA6 is spread all over eukaryotic cells in large quantities and cleave peptides in an ATP/ubiquitin-dependent procedure in a non-lysosomal pathway.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

PSMA6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 270 amino acids (1-246 a.a.) and having a molecular mass of 29.9kDa. PSMA6 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

***Caution: Product has not been fully validated for medical applications. For research use only.***

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***