

## 32-2745: PSMA6 Recombinant Protein

**Alternative Name :** 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.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** PSMA6 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 40% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMSRGSS AGFDRHITF SPEGRLYQVE YAFKAINQGG  
 LTSVAVRGKD CAVIVTQKKV PDKLLDSSTVTHLFKITENI GCVMTGMTAD SRSQVQRARY EAANWKYKYG  
 YEIPVDMLCK RIADISQVYT QNAEMRPLGC CMILIGIDEE QGPQVYKCDP AGYYCGFKAT AAGVKQTEST  
 SFLEKKVKKK FDWTFEQTVE TAITCLSTVL SIDFKPSEIE VGVVTVENPK FRILTEAID AHLVALAERD

