

## 32-2742: PSMA3 Recombinant Protein

**Alternative Name :** proteasome (prosome,macropain) subunit alpha type-3,HC8,Macropain subunit C8,Multicatalytic endopeptidase complex subunit C8,Proteasome component C8,PSC3,PSC8,EC 3.4.25.1.

### Description

Source : E.coli. PSMA3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 275 amino acids (1-255) and having a molecular mass of 30.6 kDa.PSMA3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. The proteasome is a multicatalytic proteinase complex which holds an extremely organized 20S core structure shaped like a ring. The central structure is assembled from 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. There is a high concentration of proteasomes all over the eukaryotic cells and their job is to cleave peptides in an ATP/ubiquitin-dependent procedure in a non-lysosomal pathway. PSMA3 encodes several of the peptidase T1A family which is a 20S core alpha subunit. Two alternative transcripts encoding diverse isoforms were recognized.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 95% as determined by SDS-PAGE.

**Content :** The PSMA3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% 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 MSSIGTGYDL SASTFSPDGR VFQVEYAMKA VENSSTAIGI RCKDGVVFGV  
EKLVLKLYE EGSNKRLFNV DRHVGMVAVAG LLADARSLAD IAREEASNFR SNFGYNIPLK HLADRVAMYV  
HAYTLYSAVR PFGCSFMLGS YSVNDGAQLY MIDPSGVSYG YWGCAIGKAR QAAKTEIEKL QMKEMTCRDI  
VKEVAKIYI VHDEVKDKAF ELELSWVGEL TNGRHEIVPK DIREEAKEYA KESLKEEDES DDDNM

