

AR50112PU-S

Human PSMA3 (1-255, His-tag) - Purified

Alternate names:	HC8, Macropain subunit C8, Multicatalytic endopeptidase complex subunit C8, PSC8, Proteasome component C8, Proteasome subunit alpha type-3
Quantity:	0.1 mg
Concentration:	1 mg/ml (determined by Bradford)
Background:	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. 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.
Uniprot ID:	P25788
NCBI:	NP_002779
GenelD:	5684
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.
Description:	Recombinant human PSMA3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SGLVPRGSH MSSIGTGYDL SASTFSPDGR VFQVEYAMKA VENSSTAIGI RCKDGVVFGV EKLVLKLYE EGSNKRLFNV DRHVGMAVAG LLADARSLAD IAREEASNFR SNFGYNIPLK HLADRVAMYV HAYTLYSAVR PFGCSFMLGS YSVNDGAQLY MIDPSGVSYG YWGCAIGKAR QAAKTEIEKL QMKEMTCRDI VKEVAKIIYI VHDEVKDKAF ELELSWVGEL TNGRHEIVPK DIREEAKEYA KESLKEEDES DDDNM Molecular weight: 30.6 kDa (275aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Kristensen P., et al. (1995) Biochem Biophys Res Commun. 207(3):1059. Wenzel T., et al. (1995) Nat Struct Biol. 2(3):199-204.

Pictures:

