

**PSMB3, 1-205aa, Human, His tag, E.coli**

**Cat.NO.: TP03570**

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3th Edition

**Synonyms:** Proteasome subunit beta type-3, HC10-II.

**Description:** 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.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 0.2M NaCl

**Molecular Weight:** 25.1 kDa (225aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSIMSYNGGAVMAMKGNKNCVAIAADRRFGIQAQMVTDFQKIFPMGDRLYIGLAG  
LATDVQTVAQRLKFRNLNLYELKEGRQIKPYTLMSMVANLLYEKRFPGPYTEPVIAGLDPKTFKPFICSLDLIGCPMVT  
DDFVSGTCAEQMYGMCESLWEPNMDPDHLFETISQAMLNAVDRDAVSGMGVIVHIIKDKITRRTLKARMD

**Purity:** > 95% by HPLC

**Concentration:** 0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.