

PSMB7, 44-277aa, Human, His tag, E.coli

Cat.NO.: TP03574

3th Edition

Synonyms:Proteasome subunit beta type-7.

Description:PSMB7, also known as proteasome subunit beta type-7, 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. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

Molecular Weight:27.6 kDa (255aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMTTIAGVVYKDGIVLGADTRATEGMVVADKNCSEKIHFIKSPNIYCCGAGTAADTDMT
TQLISSNLELHSLSTGRLPRVVTANRMLKQMLFRYQGYIGAALVLGGVDVTGPHLYSIYPHGSTDKLPYVTMGSGSL
AAMAVFEDKFRPDMEEEEAKNLVSEAIAGIFNDLGSNSNIDLCVISKNKLDFLRPYTVPNKKGTRLGRYRCEKGTT
AVLTEKITPLEIEVLEETVQTMDTS

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.