

PSMB2, 1-201aa, Human, His tag, E.coli

Cat.NO.: TP03569

3th Edition

Synonyms: Proteasome subunit beta type-2, HC7-I.

Description: Proteasome subunit beta type-2, also known as PSMB2, is a member of the proteasome T1B family, which is a 20S core beta subunit. The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. 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, 30% glycerol, 0.1M NaCl

Molecular Weight: 24.9 kDa (221aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMEYLIQIGPDYVLVASDRVAASNIVQMKDDHDKMFKMSEKILLLCVGEAGDTVQ
FAEYIQKNVQLYKMRNGYELSPTAAANFTRRNLADCLRSRTPYHVNLLLAGYDEHEGPALYYMDYLAALAKAPFAA
HGYGAFLTLSILDRIYPTISRERAVELLRKCLEELQKR FILNLPTFSVRIIDKNGIHDLDNISFPKQGS

Purity: > 95% by HPLC

Concentration: 0.5 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.