

PSMB8, 73-276aa, Human, His tag, E.coli

Cat.NO.: TP03575

3th Edition

Synonyms:proteasome (prosome, macropain) subunit, beta type, 8, D6S216, D6S216E, LMP7, MGC1491, PSMB5i

Description:PSMB8, also known as LMP7, belongs to the peptidase T1B family. 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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight:25.4 kDa (229aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMTTTLAFKFQHGVIAAVDSRASAGSYISALRVNKVIEINPYLLGTMSGCAAD
CQYWERLLAKECRLYYLRNGERISVSAASKLLSNMMCQYRGMGLSMGSMICGWDKKGPGLYYVDEHGTRLSGN
MFSTGSGNTYAYGVMDSGYRPNLSPEEAYDLGRRAIAYATHRDSYSGGVNMYHMKEDGWVKVESTDVSDLLH
QYREANQ

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.