

PSMA8, 1-250aa, Human, His tag, E.coli

Cat.NO.: TP03566

3th Edition

Synonyms:Proteasome subunit alpha type-8, PSMA7L.

Description:Proteasome subunit alpha type-8, also known as PSMA8, belongs to the peptidase T1A family. PSMA8 is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATPdependent proteolytic activity.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Molecular Weight:30 kDa (270aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMASRYDRAITVFSPDGHLLFQVEYAQEA VKKGSTAVGIRGTNIVVLGVEKKSVAKL
QDERTVRKICALDDHVCMAFAGLTADARVVINRARVEQCQSHKLTVEDPVTVEYITRFIATLKQKYTQSNRRPFGIS
ALIVGFDDDDGISRLYQTDPSGTYHAWKANAIGRSAKTVREFLEKNYTEDAIASDSEAIKLAIKALLEVVQSGGKNIELAI
IRRNQPLKMFSAKEVELYVTEIEKEKEEAEKKKSKKSV

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.