

PSMA2, 1-234aa, Human, His tag, E.coli

Cat.NO.: TP03560

3th Edition

Synonyms:Proteasome subunit alpha type-2, HC3, MU, PMSA2, PSC2.

Description:PSMA2, also known as proteasome subunit alpha type-2, 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. PSMA2, belonged to the peptidase T1A family, is a 20S core alpha subunit of proteasome. This protein serves as docking domains for the regulatory particles and exterior gates blocking unregulated access to the interior cavity.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 0.1M NaCl,1mM DTT, 0.1mM PMSF

Molecular Weight:28.0 kDa (254aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMAERGYSFSLTTFSPSGKLVQIEYALAAVAGGAPSVGIKAANGVVLATEKKQKSIL
YDERSVHKVEPITKHIGLVYSGMGPDYRVLVHRARKLAQQYYLVYQEPIPTAQLVQRVASVMQEYTSQGGVRFPG
VSLICGWNEGRPYLFQSDPSGAYFAWKATAMGKNYVNGKTFLEKRYNEDLELEDAIHTAILTLKESFEGQMTEDNI
EVGICNEAGFRRLTPTEVKDYLAIA

Purity:> 95% by HPLC

Concentration:1.0 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.