

PSMA7, 1-248aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03565

3th Edition

Synonyms: Proteasome alpha 7 subunit, C6, HSPC, MGC3755, RC6-1, XAPC7

Description: Proteasome alpha 7, PSMA7, 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. PSMA7, belonged to the peptidase T1A family, is a 20S core alpha subunit of proteasome. This protein was found to interact specifically with two subdomains of HIF-1alpha and inhibited the transactivation function of HIF-1alpha under both normoxic and hypoxia-mimicking conditions.

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

Molecular Weight: 30.0 kDa (268 aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMSYDRAITVFSPDGHLFQVEYAQEAVKKGSTAVGVRGRDIVVLGVEKKSVAKLQD
ERTVRKICALDDNVCMFAAGLTADARIVINRARVEQCQSHRLTVEDPVTVEYITRYIASLKQRYTQSNRRPFGISALIV
GFDFDGTPLRYQTDPSGTYHAWKANAIGRGAHSVREFLEKNYTDEAIETDDLTIKLVIKALLEVVQSGGKNIELAVMR
RDQSLKILNPEEIEKYVAEIEKEKEENEKKKQKKAS

Purity: > 95% by HPLC

Concentration: 1 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.