

PSMA4, 1-261aa , Human, His tag E.coli

Cat.NO.: TP03562

3th Edition

Synonyms:Proteasome subunit alpha type-4 isoform 1, HC9, HsT17706, MGC111191, MGC12467, MGC24813, PSC9.

Description:PSMA4, also known as proteasome subunit alpha type 4, is a member of the peptidase T1A family, that is a 20S core alpha subunit. The proteasome is a multicatalytic proteinase complex with a highly ordered ringshaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits.

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

Molecular Weight:32.0 kDa (285aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSRRYDSRTTIFSPGRLYQVEYAMEAIGHAGTCLGILANDGVLLAAERRN
IHKLLDEVFFSEKIYKLNEDMACSVAGITSDANVLTNELRLIAQRYLLQYQEPICEQLVTALCDIKQAYTQFGGKRPF
GVSLLYIGWDKHYGFQLYQSDPSGNYGGWKATCIGNNSAAAVSMLKQDYKEGEMTLKSALALAIKVLNKTMDVSK
LSAEKVEIATLTRENGKTVIRVLKQKEVEQLIKKHEEEEEAKAEREKKEKEQKEKDK

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.