

PSMF1, 1-271aa, Human, His tag E.coli

Cat.NO.: TP03583

3th Edition

Synonyms:Proteasome inhibitor subunit 1 isoform 1, PI31.

Description:PSMF1 is a protein that inhibits the activation of the proteasome by the 11S and 19S regulators. The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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:31.9 kDa (291aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMAGLEVLFAAATAITCRQDALVCFHWEVVTHGYCGLGVGDQPGPNDDKSELL
PAGWNNKDLVLRYEYKDGSRKLLVKAITVESSMILNVLEYGSSQVADLTLNLDYIDAHLGDFHRTYKNSEELR
SRIVSGIITPIHEQWEKANVSSPHREFPPATAREVDPLRIPPHHPHTSRQPPWCDPLGPFVGGEDLDPFGPRRGG
MIVDPLRSGFPRALIDPSSGLPNRLPPGAVPPGARFDPFPGPIGTSPPGPNPDHLPDPPGYDDMYL

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.