

PSMB5, 60-263aa, Human, His tag, E.coli

Cat.NO.: TP03572

3th Edition

Synonyms:Proteasome (prosome, macropain) subunit, beta type, 5. LMPX, MB1, MGC104214, X.

Description:PSMB5 is a member of the proteasome B-type family that is a 20S core beta subunit in the proteasome. This catalytic subunit is not present in the immunoproteasome and is replaced by catalytic subunit 3i (proteasome beta 8 subunit). PSMB5 has an ATP dependent proteolytic activity and involved in an ATP/ubiquitin dependent non lysosomal proteolytic pathway.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 20% glycerol, 5mM DTT, 0.2M NaCl.

Molecular Weight:26.7 kDa (241aa), confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMTTTLAFKFRHGVIVAADSRATAGAYIASQTVKKVIEI
NPYLLGTMAGGAADCSFWERLLARQCRIYELRNKERISVAAASKLLANMVYQYKGMGLSMGMTMICGWDKRGPGL
YYVDSEGNRISGATFSVSGSVYAYGVMDRGSYDLEVEQAYDLARRAIYQATYRDAYS GGAVNLYHVREDGWIR
VSSDNVADLHEKYS GSTP

Purity:> 95% by HPLC

Concentration:0.25 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.