

## AR50176PU-N

## Human PSMB6 (35-239, His-tag) - Purified

### Alternate names:

LMPY, Macropain delta chain, Multicatalytic endopeptidase complex delta chain, Proteasome 20S beta 6, Proteasome delta chain, Proteasome subunit Y, Proteasome subunit beta type-6

### Quantity:

0.25 mg

### Concentration:

1 mg/ml (determined by Bradford)

### Background:

PSMB6 is a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit in the proteasome. This catalytic subunit is not present in the immunoproteasome and is replaced by PSMB9. The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 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.

### Uniprot ID:

[P28072](#)

### NCBI:

[NP\\_002789](#)

### GenelD:

[5694](#)

### Species:

Human

### Source:

E. coli

### Format:

**State:** Liquid purified protein

**Purity:** >85% by SDS - PAGE

**Buffer System:** 20 mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.

### Description:

Recombinant human PSMB6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

#### AA Sequence:

MGSSHHHHH SSGLVPRGSH MTTIMAVQFD GGVLGADSR TTTGSYIANR VTDKLTPIHD  
RIFCCRSRSA ADTQAVADAV TYQLGFHSIE LNEPPLVHTA ASLFKEMCYR YREDLMAGII  
IAGWDPQEGG QVYSVPMGGM MVRQSFAIGG SGSSYIYGIV DATYREGMTK EECLQFTANA  
LALAMERDGS SGGVIRLAAI AESGVERQVL LGDQIPKFAV ATLPPA

**Molecular weight:** 24.2 kDa (226aa), confirmed by MALDI-TOF

### Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.

### General Readings:

Apcher GS., et al. (2003) FEBS Lett. 553(1-2):200-4. Stelzl U., et al. (2002) Cell. 122(6):957-68.

Pictures:

