

## 32-2748: PSMB1 Recombinant Protein

**Alternative Name :** HC5,PSC5,PMSB1,FLJ25321,KIAA1838,PSMB1,Proteasome subunit beta type-1,Proteasome component C5,Macropain subunit C5,Multicatalytic endopeptidase complex subunit C5,Proteasome gamma chain.

### Description

Source : Escherichia Coli. PSMB1 Human Recombinant fused to 37 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 250 amino acids (30-241) and having a molecular mass of 27.7 kDa. The PSMB1 is purified by proprietary chromatographic techniques. PSMB1 is part of the proteasome B-type family, also identified as the T1B family, that is a 20S core beta subunit. PSMB1 is tightly linked to the TBP (TATA-binding protein) gene in human and in mouse, and is transcribed in the opposite orientation in both species. The main function of PSMB1 is its degradation activity of unnecessary or damaged proteins by proteolysis. PSMB1 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. the proteasome has an atp-dependent proteolytic activity.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The PSMB1 solution contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.  
**Storage condition :** PSMB1 Recombinant Human although stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. Please avoid freeze-thaw cycles.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMFS PYVFNGGTIL AIAGEDFAIV  
ASDTRLSEGF SIHTRDSPKC YKLTDKTVIG CSGFHGDCLT LTKIIEARLK MYKHSNNKAM TTGAIAAMLS  
TILYSRRFFP YYVYNIIGGL DEEGKGAVYS FDPVGSYQRD SFKAGGSASA MLQPLLDNQV GFKNMQNVEH  
VPLSLDRAMR LVKDVFISAA ERDVYTG DAL RICIVTKEGI REETVSLRKD.