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PSMB1 Human

Description: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.

Catalog #:ENPS-412

For research use only.

Synonyms: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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear colorless solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMFS PYVFNGGTIL AIAGEDFAIV ASDTRLSEGF SIHTRDSPKC YKLTDKTVIG CSGFHGDCLT LTKIIEARLK MYKHSNNKAM TTGAIAAMLS TILYSRRFFP YYVYNIIGGL DEEGKGAVYS FDPVGSYQRD SFKAGGSASA MLQPLLDNQV GFKNMQNVEH VPLSLDRAMR LVKDVFISAA ERDVYTGDAL RI

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The PSMB1 solution contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.

Stability:
PSMB1 Recombinant Human althoμgh 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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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.

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