

## PSMB6 Human

**Description:** PSMB6 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 226 amino acids (35-239) and having a molecular mass of 24.2kDa. PSMB6 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-230

For research use only.

**Synonyms:** Proteasome subunit beta type-6, Macropain delta chain, Multicatalytic endopeptidase complex delta chain, Proteasome delta chain, Proteasome subunit Y, PSMB6, LMPY, Y, DELTA.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MTTIMAVQFD GGVVLGADSR  
TTTGSYIANR VTDKLTPIHD RIFCCRSRSA ADTQAVADAV TYQLGFHSIE LNEPPLVHTA  
ASLFKEMCYR YREDLMAGII IAGWDPQEGG QVYSVPMGGM MVRQSFAIGG SGSSYIYGYV  
DATYREGMTK EECLQFTANA LALAMERDGS SGGVIRLAAI AESGVERQVL LGDQIPKFAV  
ATLPPA.

**Purity:** Greater than 85.0% as determined by SDS-PAGE.

### Formulation:

The PSMB6 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1mM DTT and 0.15M NaCl.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

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

### Introduction:

PSMB6 belongs to the proteasome B-type family (T1B family) which is a 20S core beta subunit in the proteasome. The PSMB6 is not present in the immunoproteasome and is replaced by PSMB9. The proteasome is a multicatalytic proteinase complex with an extremely ordered ring-shaped 20S core structure. The core structure is comprised 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.

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