

## PSMB9 Human

**Description:** PSMB9 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 220 amino acids (21-219 a.a.) and having a molecular mass of 23.5kDa. PSMB9 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-112

**Synonyms:** Proteasome subunit beta type-9, Low molecular mass protein 2, Macropain chain 7, Multicatalytic endopeptidase complex chain 7, Proteasome chain 7, Proteasome subunit beta-1i, Really interesting new gene 12 protein, PSMB9, LMP2, PSMB6i, RING12, beta1i, MGC

For research use only.

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MTTIMAVEFD GGVVMGSDSR  
VSAGEAVVNR VFDKLSPLHE RIYCALSGS AADAQAVADMA AYQLELHGIE LEEPPLVLAA  
ANVVRNISYK YREDLSAHLM VAGWDQREGG QVYGTGGML TRQPFAIGGS GSTFIYGYVD  
AAYKPGMSPE ECRRFTTDAI ALAMSRDGSS GGVIYLVITIT AAGVDHRVIL GNELPKFYDE.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

PSMB9 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 50mM 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. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Proteasome subunit beta type-9 (PSMB9) belongs to the proteasome B-type family which is a 20S core beta subunit. PSMB9 is positioned in the class II region of the MHC (major histocompatibility complex). Expression of the PSMB9 protein is induced by gamma interferon and this gene product replaces catalytic subunit 1 (proteasome beta 6 subunit) in the immunoproteasome.

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