
Product Data Sheet

Product Name: PSMB6 Human
 Cat. No.: GP22186
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Proteasome subunit beta type-6; Macropain delta chain; Multicatalytic endopeptidase complex delta chain; Proteasome delta chain; Proteasome subunit Y; PSMB6; LMPY; Y; DELTA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MTTIMAVQFD GGVLGADSR TTTGSYIANR VTDKLTPIHD RIFCCRSRSA ADTQAVADAV TYQLGFHSIE LNEPPLVHTA ASLFKEMCYR YREDLMAGII IAGWDPQEGG QVYSVPMGGM MVRQSFAIGG SGSSYIYGIV DATYREGMTK EECLQFTANA LALAMERDGS SGGVIRLAAI AESGVERQVL LGDQIPKFAV ATLPPA.		
Formulation	The PSMB6 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1mM DTT and 0.15M NaCl.		

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.

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.

Background

PSMB6 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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