
Product Data Sheet

Product Name: PSMA8 Human
 Cat. No.: GP22180
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Proteasome subunit alpha type-7-like; PSMA8; PSMA7L.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MASRYDRAIT VFSPDGHLFQ VEYAQEAVKK GSTAVGIRGT NIVVLGVEKK SVAKLQDERT VRKICALDDH VCMAFAGLTA DARVVINRAR VECQSHKLTV EDPVTVEYIT RFIATLKQKY TQSNRRPFG ISALIVGFDD DGISRLYQTD PSGTYHAWKA NAIGRSAKTV REFLEKNYTE DAIASDSEAI KLAIKALLEV VQSGGKNIEL AIIRRNQPLK MFSAKEVELY VTEIEKEKEE AEKKKSKKSV.		
Formulation	The PSMA8 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.		

Introduction

Proteasome subunit alpha type-8 (PSMA8) is a member of the peptidase T1A family. PSMA8 is a multicatalytic proteinase complex which is distinguished 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. The PSMA8 subunit may be testis-specific.

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

PSMA8 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 270 amino acids (1-250) and having a molecular mass of 30kDa. PSMA8 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary

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

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chromatographic techniques.

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