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Recombinant human PSMA8 protein

Catalog Number: ATGP1320

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-250aa

UniProt No.

08TAA3

NCBI Accession No.

NP 001020267

Alternative Names

Proteasome subunit alpha type-8, PSMA7L

PRODUCT SPECIFICATION

Molecular Weight

30 kDa (270aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Proteasome subunit alpha type-8, also known as PSMA8, belongs to the peptidase T1A family. PSMA8 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. This subunit may be a testis-specific. Recombinant human PSMA8 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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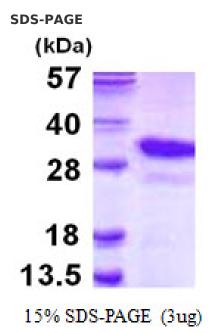
Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MASRYDRAIT VFSPDGHLFQ VEYAQEAVKK GSTAVGIRGT NIVVLGVEKK SVAKLQDERT VRKICALDDH VCMAFAGLTA DARVVINRAR VECQSHKLTV EDPVTVEYIT RFIATLKQKY TQSNGRRPFG ISALIVGFDD DGISRLYQTD PSGTYHAWKA NAIGRSAKTV REFLEKNYTE DAIASDSEAI KLAIKALLEV VQSGGKNIEL AIIRRNQPLK MFSAKEVELY VTEIEKEKEE AEKKKSKKSV

General References

Schmidt M., et al. (1997) Mal Biol Rep. 24:103-112. Kristensen P., et al. (1995) Biochem Biophys Res Commun. 205:1785-1789.

DATA



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

