

Recombinant human PA28 beta/PSME2 protein

Catalog Number: ATGP1288

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-239aa

UniProt No.

Q9UL46

NCBI Accession No.

AAH72025.1

Alternative Names

Proteasome activator subunit 2, 11S regulator complex subunit beta, REG-beta, Activator of multicatalytic protease subunit 2, Proteasome activator 28 subunit beta, PA28b, PA28beta

PRODUCT SPECIFICATION

Molecular Weight

29.5 kDa (259aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 95% 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

PSME2, also known as proteasome (prosome, macropain) activator subunit 2, is an IFN-gamma inducible proteasome activator required for presentation of certain major histocompatibility (MHC) class I antigens. Downregulation of PSME2 results in abnormal proteasome activation and has been implicated in the development of intimal hyperplasia (IH) in animal models. Recombinant human PSME2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

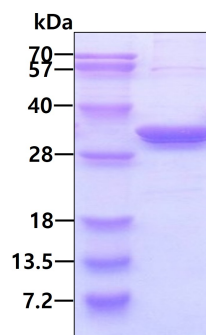
<MGSSHHHHHH SSGLVPRGSH> MAKPCGVRLS GEARQVEVF RQNLFQEAE FLYRFLPQKI IYLNQLLQED
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KIEDGNDFGV AIQEKVLERV NAVKTKVEAF QTTISKYFSE RGDVAVAKASK ETHVMDYRAL VHERDEAAYG ELRAMVLDLR
AFYAELYHII SSNLEKIVNP KGEEKPSMY

General References

Kohda K. et al. (1998) J. Immunol. 160: 4923-4935.
Fabunmi R.P. et al. (2001) J. Cell. Sci. 114: 29-36

DATA

SDS-PAGE



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