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.



Amino acid Sequence

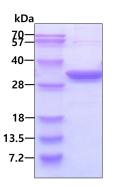
<MGSSHHHHHH SSGLVPRGSH> MAKPCGVRLS GEARKQVEVF RQNLFQEAEE FLYRFLPQKI IYLNQLLQED SLNVADLTSL RAPLDIPIPD PPPKDDEMET DKQEKKEVPK CGFLPGNEKV LSLLALVKPE VWTLKEKCIL VITWIQHLIP KIEDGNDFGV AIQEKVLERV NAVKTKVEAF QTTISKYFSE RGDAVAKASK ETHVMDYRAL VHERDEAAYG ELRAMVLDLR AFYAELYHII SSNLEKIVNP KGEEKPSMY

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.