

AR50113PU-S**Human PSME2 / REG-beta (1-239, His-tag) - Purified****Alternate names:**

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

Quantity:

50 µg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9JL46](#)

NCBI:

[AAH72025](#)

GeneID:

[5721](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT, 0.1mM PMSF

Description:

Recombinant human PSME2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHHH SSGLVPRGSH MAKPCGVRLS GEARKQVEVF RQNLFQEAEE FLYRFLPQKI
IYLNQLLQED SLNVADLTSL RAPLDIPIPD PPPKDDEMET DKQEKKEVPK CGFLPGNEKV
LSLLALVKPE VWTLKEKCIL VITWIOHLIP KIEDGNDFGV AIQEKVLERV NAVKTKVEAF
QTTISKYFSE RGDVAKASK ETHVMDYRAL VHERDEAAYG ELRAMVLDLR AFYAELYHII
SSNLEKIVNP KGEEKPSMY

Molecular weight: 29.5 kDa (259aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

