

# Product information

## PSME2, 1-239aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1288

**Full name:** Proteasome (prosome, macropain) activator subunit 2

**NCBI Accession No.:** AAH72025

**Synonyms:** PA28B, PA28beta, REGbeta

**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.

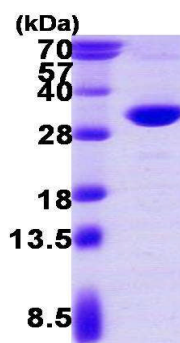
**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

0.1M NaCl, 1mM DTT, 0.1mM PMSF

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

**Purity:** > 95% by SDS - PAGE

**Concentration:** 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MAKPCGVRLS GEARQVEVF RQNLFQEAEE FLYRFLPQKI IYLNQLLQED SLNVADLTSL RAPLDIPIPD  
 PPPKDDMET DKQEKKEVPK CGFLPGNEKV LLLALVKPE VWTLKEKCIL VITWIQHLIP 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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**