

## PSME2 Human

**Description:** PSME2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 259 amino acids (1-239) and having a molecular mass of 29.5 kDa. PSME2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-982

For research use only.

**Synonyms:** Proteasome (prosome, macropain) activator subunit 2 (PA28 beta), PA28beta, Activator of multicatalytic protease subunit 2, Proteasome activator 28 subunit beta, 11S regulator complex subunit beta, PA28B, REG-beta, cell migration-inducing protein 22, MCP a

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAKPCGVRLS GEARKQVEVF  
RQNLFQEAE FLYRFLPQKI IYLNQLQED SLNVADLTSL RAPLDIIPD PPPKDDMET  
DKQEKKEVPK CGFLPGNEKV LSLALVKPE VWTLKECIL VITWQHLP KIEDGNDFGV  
AIQEKVLERV NAVKTKVEAF QTTISKYFSE RGDVAKASK ETHVMDYRAL VHERDEAAYG  
ELRAMVLDLR AF

**Purity:** Greater than 95% as determined by SDS-PAGE.

### Formulation:

The PSME2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT, 0.1mM PMSF and 20% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

PSME2 is an IFN-gamma inducible proteasome activator essential for production of several key histocompatibility (MHC) class I antigens. Downregulation of PSME2 causes unusual proteasome activation and is connected to the development of intimal hyperplasia (IH) in animal models.

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