

Datasheet for ABIN7279625

PSME3 Protein (PSME3) (AA 1-254) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	PSME3
Protein Characteristics:	AA 1-254
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSME3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	PSME3, 1-254aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	PSME3
Alternative Name:	PSME3 (PSME3 Products)
Background:	PSME3 (Proteasome activator complex subunit 3) belongs to the PA28 family. The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. PSME3 activates the trypsin-like catalytic subunit of the

Target Details

proteasome but inhibits the chymotrypsin-like and postglutamyl-preferring (PGPH) subunits. PSEM3 facilitates the MDM2-p53/TP53 interaction which promotes ubiquitination- and MDM2-dependent proteasomal degradation of p53/TP53, limiting its accumulation and resulting in inhibited apoptosis after DNA damage. Recombinant human PSME3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Proteasome activator complex subunit 3 isoform 1, Ki, PA28-gamma, PA28G, REG-GAMMA. NCBI no.: NP_005780

Molecular Weight:	31.7kDa (274aa), confirmed by MALDI-TOF
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Positive Regulation of Endopeptidase Activity , Hepatitis C , Synthesis of DNA

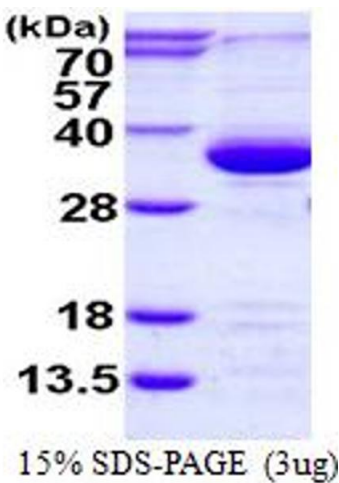
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	0.5mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 40% glycerol, 200mM NaCl
Storage:	4 °C

Images



SDS-PAGE

Image 1.