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Datasheet for ABIN5608460

PSME3 Protein (PSME3) (partial) (His tag)

Overview

Quantity:	100 µg
Target:	PSME3
Protein Characteristics:	partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSME3 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Sequence:	Met 1 - Tyr 254
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per ug by the LAL method.

Target Details

Target:	PSME3
Alternative Name:	PSME3 (PSME3 Products)
Background:	Proteasome activator complex subunit 3 (PSME3), a member of the PA28 family, is also known as 11S regulator complex subunit gamma (REG-gamma), activator of multicatalytic protease subunit 3 and proteasome activator 28 subunit gamma (PA28gamma). PSME3 activates the trypsin-like catalytic subunit of the proteasome but inhibits the chymotrypsin-like and

Target Details

postglutamyl-preferring (PGPH) subunits. PSME3 can also facilitate 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. Furthermore, PSME3 may also be involved in cell cycle regulation.

Molecular Weight: 30.3 kDa

Gene ID: 10197

NCBI Accession: [NP_00578](#)

UniProt: [P61289](#)

Pathways: [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Positive Regulation of Endopeptidase Activity](#), [Hepatitis C](#), [Synthesis of DNA](#)

Application Details

Application Notes: This recombinant protein can be used for WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 50 mM Tris, 200 mM NaCl, pH 8.0

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C, -80 °C

Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.