

Product datasheet

Recombinant Human PSME3 protein ab115714

1 Image

Description

Product name	Recombinant Human PSME3 protein
Purity	> 90 % SDS-PAGE. ab115714 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>P61289</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHSSGLVPRGSHMASLLKVDQEVKLVDSF RERITSEAEDLV ANFFPKKLELDSFLKEPILNIHDLTQIHSDMNLPVDPILLT NSHDGLD GPTYKKRRLDECEEAFQGTKVFMVMPNGMLKSNQQLVDIIE KVKPEIRLLI EKCNTVKMWVQLLIPRIEDGNNFGVSIQEETVAELRTVES EAASYLDQIS RYYITRAKLVSIAKYPHVEDYRRTVTEIDEKEYSLRLIISLR NQYVT LHDMLKNIKIKRPRSSNAETLY
Predicted molecular weight	32 kDa including tags
Amino acids	1 to 254
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab115714** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.03% DTT, 0.32% Tris HCl, 40% Glycerol (glycerin, glycerine), 1.17% Sodium chloride

General Info

Function

Subunit of the 11S REG-gamma (also called PA28-gamma) proteasome regulator, a donut-shaped homoheptamer which associates with the proteasome. 11S REG-gamma activates the trypsin-like catalytic subunit of the proteasome but inhibits the chymotrypsin-like and postglutamyl-preferring (PGPH) subunits. 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. May also be involved in cell cycle regulation.

Sequence similarities

Belongs to the PA28 family.

Domain

The C-terminal sequences affect heptamer stability and proteasome affinity.

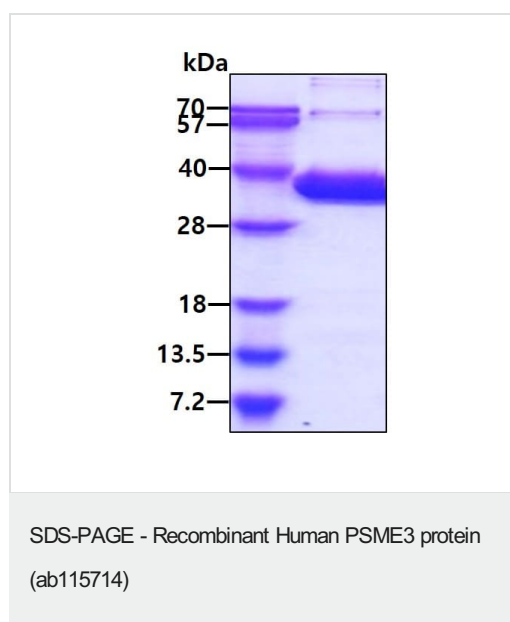
Post-translational modifications

Phosphorylated by MAP3K3.

Cellular localization

Nucleus. Cytoplasm. Localizes to the cytoplasm during mitosis following nuclear envelope breakdown at this distinct stage of the cell cycle which allows its interaction with MAP3K3 kinase.

Images



SDS-PAGE analysis of ab115714 (3µg).

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