

Product datasheet

Recombinant Human PSMB5/MB1 protein ab101825

1 Image

Description

Product name	Recombinant Human PSMB5/MB1 protein
Purity	> 90 % SDS-PAGE. ab101825 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	P28074
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWG SMTTTLAFKFRHGV VAADSRATAGAYIASQTVKKVIEINPYLLGT MAGGAADCSFWERLLARQC RIYELRNKERISVAAASKLLANMVYQYKGMGL SMGMTMIGCWDKRGPGLYY VDSEGNRISGATFSVGSGSVYAYGVMDRGYSYD LEVEQAYDLARRAIYQA TYRDAYSGGAVNLYHVREDGWIRVSSDNVADL HEKYSGSTP
Predicted molecular weight	27 kDa including tags
Amino acids	60 to 263
Tags	His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of ab101825 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

Additional notes

Previously labelled as PSMB5.

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: 8.50

Constituents: 0.015% DTT, 0.316% Tris HCl, 50% Glycerol (glycerin, glycerine), 0.876% Sodium chloride

General Info

Function

The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This unit is responsible of the chymotrypsin-like activity of the proteasome and is one of the principal target of the proteasome inhibitor bortezomib. May catalyze basal processing of intracellular antigens. Plays a role in the protection against oxidative damage through the Nrf2-ARE pathway.

Sequence similarities

Belongs to the peptidase T1B family.

Cellular localization

Cytoplasm. Nucleus.

Images



15% SDS-PAGE analysis of ab101825 (3µg)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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