abcam

Product datasheet

Recombinant Human Proteasome 20S alpha 2/HC3 protein ab116173

1 Image

Description

Product name	Recombinant Human Proteasome 20S alpha 2/HC3 protein
Purity	> 95 % SDS-PAGE. ab116173 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	P25787
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MAERGYSFSL TTFSPSGKLV QIEYALAAVA GGAPSVGIKA ANGVVLATEK KQKSILYDER SVHKVEPITK HIGLVYSGMG PDYRVLVHRA RKLAQQYYLV YQEPIPTAQL VQRVASVMQE YTQSGGVRPF GVSLLICGWN EGRPYLFQSD PSGAYFAWKA TAMGKNYVNG KTFLEKRYNE DLELEDAIHT AILTLKESFE GQMTEDNIEV GICNEAGFRR LTPTEVKDYL AAIA
Predicted molecular weight	28 kDa including tags
Amino acids	1 to 234
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab116173** 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	This product was previously labelled as Proteasome 20S alpha 2

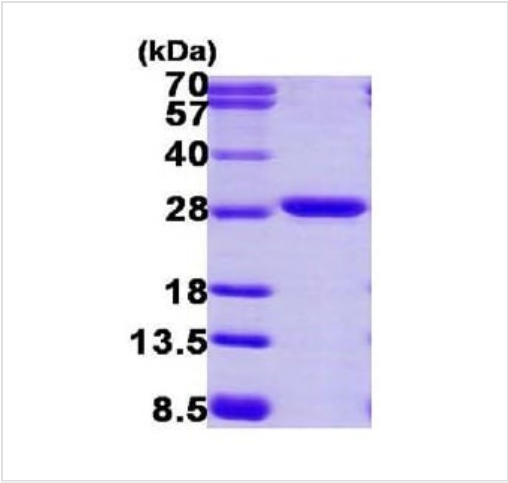
Preparation and Storage

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: 0.002% PMSF, 0.02% DTT, 0.32% Tris HCl, 30% Glycerol (glycerin, glycerine), 0.58% 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. PSMA2 may have a potential regulatory effect on another component(s) of the proteasome complex through tyrosine phosphorylation.
Sequence similarities	Belongs to the peptidase T1A family.
Post-translational modifications	Phosphorylated on tyrosine residues; which may be important for nuclear import.
Cellular localization	Cytoplasm. Nucleus.

Images



SDS-PAGE - Recombinant Human Proteasome 20S alpha 2/HC3 protein (ab116173)

ab116173 on a 15% SDS-PAGE (3ug)

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- Replacement or refund for products not performing as stated on the datasheet
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