abcam

Product datasheet

Recombinant Human PAC-2 protein ab113597

1 Image

Description

Product name	Recombinant Human PAC-2 protein
Purity	> 90 % SDS-PAGE. ab113597 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	Q969U7
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHH SSGLVPRGSH** MGSMFVPCGE SAPDLAGFTL LMPAVSVGNV GQLAMDLIIS TLNMSKIGYF YTDCLVPMVG NNPYATTEGN STELSINAEV YSLPSRKLVA LQLRSIFIKY KSKPFCEKLL SWVKSSGCAR VIVLSSSHSY QRNDLQLRST PFRYLLTPSM QKSVQNKIKS LNWEEMEKSR CIPEIDDSEF CIRIPGGGIT KTLYDESCSK EIQMAVLLKF VSEGDNIPDA LGLVEYLNEW LQILKPLSDD PTVSASRWKI PSSWRLLFGS GLPPALF
Predicted molecular weight	32 kDa including tags
Amino acids	1 to 264
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab113597** 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

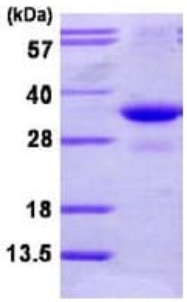
Preparation and Storage

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: 0.32% Tris HCl, 40% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function	Chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG1. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization.
Tissue specificity	Widely expressed with highest levels in lung, brain and colon. Moderately expressed in muscle, stomach, spleen and heart. Weakly expressed in small intestine, pancreas and liver. Highly expressed in hepatocellular carcinomas with low levels in surrounding liver tissue.
Sequence similarities	Belongs to the PSMG2 family.
Post-translational modifications	Degraded by the proteasome upon completion of 20S proteasome maturation.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human PAC-2 protein (ab113597)

15% SDS-PAGE analysis of ab113597 (3µg)

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