

AR39153PU-L

Human PSMG2 / PAC2 (1-264, His-tag) - Purified

Alternate names:

HCCA3, Hepatocellular carcinoma-susceptibility protein 3, PAC-2, Proteasome assembly chaperone 2, TNFSF5IP1, Tumor necrosis factor superfamily member 5-induced protein 1

Quantity:

0.25 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

PSMG2, also known as proteasome assembly chaperone 2, 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.

Uniprot ID:

[Q969U7](#)

NCBI:

[NP_064617.2](#)

GeneID:

[56984](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl

Description:

Recombinant human PSMG2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSFVPCGE SAPDLAGFTL LMPAVSVGNV GQLAMDLIIS
TLNMSKIGYF YTDCLVPMVG NNPYATTEGN STELSINAEV YSLPSRKLVA LQLRSIFIY
KSKPFCEKLL SWVKSSGCAR VIVLSSSHSY QRNDLQLRST PFRYLLTPSM QKSVQNKIKS
LNWEEMESR CIPEIDDSEF CIRIPGGGIT KTLYDESCSK EIQMAVLLKF VSEGDNIPDA
LGLVEYLNEW LQILKPLSDD PTVSASRWKI PSSWRLLFGS GLPPALF

Molecular weight: 31.8 kDa (287aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

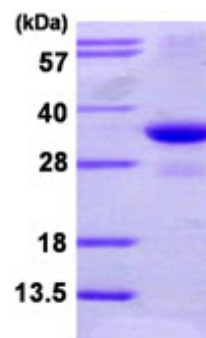
Shelf life: one year from despatch.

General Readings:

Hirano Y., et al. (2005) Nature. 437:1381-1385.

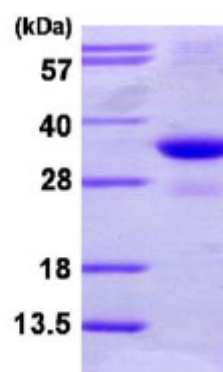
Le Tallec B., et al. (2007) Mol. Cell. 27:660-674.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human PSMG2, 1-264aa,
His-tagged



15% SDS-PAGE (3ug)