

Recombinant human PSMG3 protein

Catalog Number: ATGP0736

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-122aa

UniProt No.

Q9BT73

NCBI Accession No.

NP_115678.1

Alternative Names

Proteasome assembly chaperone 3, PAC3, C7orf48, Proteasome assembly chaperone 3

PRODUCT SPECIFICATION

Molecular Weight

15.2 kDa (142aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PSMG3 is a chaperone protein which promotes assembly of the 20S proteasome. This protein may cooperate with PSMG1-PSMG2 heterodimers to orchestrate the correct assembly of proteasomes. It interacts with PSMG4, as well as directly alpha and beta subunits of the 20S proteasome but dissociates before the formation of half-proteasomes, probably upon recruitment of POMP. Recombinant human PSMG3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

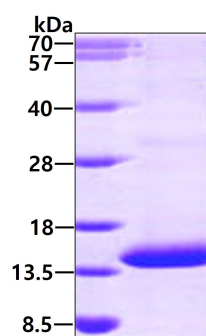
<MGSSHHHHHH SSGLVPRGSH> MEDTPLVISK QKTEVCGVP TQVVCTAFSS HILVVVTQFG KMGTLVSLEP
SSVASDVSKP VLTTKVLLGQ DEPLIHVFAK NLVAFVSQEA GNRAVLLAVA VKDKSMEGLK ALREVIRVCQ VW

General References

MGSSHHHHHH SSGLVPRGSH MEDTPLVISK QKTEVCGVP TQVVCTAFSS HILVVVTQFG KMGTLVSLEP SSVASDVSKP
VLTTKVLLGQ
DEPLIHVFAK NLVAFVSQEA GNRAVLLAVA VKDKSMEGLK ALREVIRVCQ VW

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.