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Recombinant human PSMG4 protein

Catalog Number: ATGP1307

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-123aa

UniProt No.
Q5JS54

NCBI Accession No.
NP_001122063

Alternative Names
Proteasome assembly chaperone 4, PAC4

PRODUCT SPECIFICATION

Molecular Weight
15.9 kDa (143aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity
> 95% 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
Proteasome assembly chaperone 4, also known as PSMG4, is a chaperone protein which promotes assembly of the 20S proteasome. It interacts with PSMG3, 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 PSMG4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

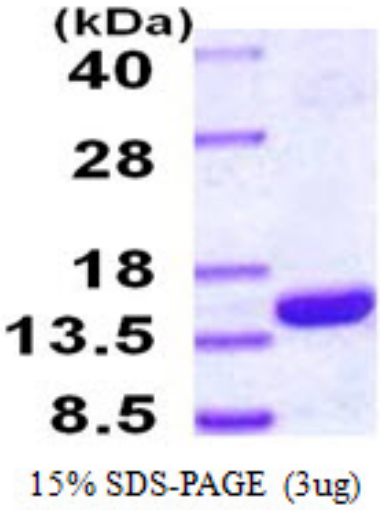
MGSSHHHHHH SSGLVPRGSH MEGLVVAAGG DVSLHNFSAR LWEQLVHFHV MRLTDSLFLW VGATPHLRNL AVAMCSRYDS IPVSTSLLGD TSDTTSTGLA QRLARKTNKQ VFVSYNLQNT DSNFALLVEN RIKEEMEAFP EKF

General References

Le Tallec B., et al. (1998) Mol Cell. 17(4):660-74.
Ramos PC., et al. (1998) Cell. 20(4): 489-99.

DATA

SDS-PAGE



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