

Recombinant human POMZP3 protein

Catalog Number: ATGP2760

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-187aa

UniProt No.

Q6PJE2

NCBI Accession No.

NP_036362

Alternative Names

POM121 and ZP3 fusion protein isoform 1, POM-ZP3, POM121

PRODUCT SPECIFICATION

Molecular Weight

23 kDa (210aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

POMZP3 appears to have resulted from a fusion of DNA sequences derived from 2 distinct loci, specifically through the duplication of two internal exons from the POMZP3 gene and four 3' exons from the ZP3 gene. The 5' end of this gene is similar to the 'coding region of the POMZP3 gene which encodes an integral nuclear pore membrane protein. However, the protein encoded by this gene lacks the nuclear pore localization motif. The 3' end of this gene is similar to the last 4 exons of the zona pellucid glycoprotein 3 (ZP3) gene and the encoded protein retains one zona pellucida domain. Recombinant human POMZP3 protein, fused to His-tag at N-terminus,

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was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMVCSPVT LRIAPPDRRF SRSAIPEQII SSTLSSPSSN APDPCAKETV LSALKEKKKK
RTVEEEDQIF LDGQENKRSC LVDGLTDASS AFKVPRPGPD TLQFTVDVFH FANDSRNMIY ITCHLKVTLA EQDPDELNKA
CSFSKPSNSW FPVEGLADIC QCCNKGDCGT PSHSRRQPRV VSQWSTSASL

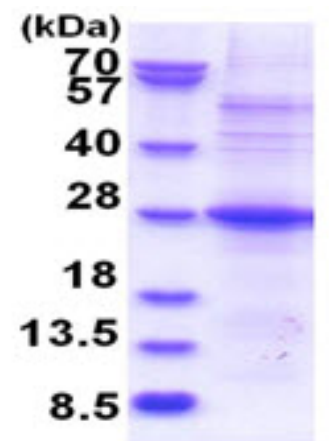
General References

Harrington,J.J, et al. (2001) Nat. Biotechnol. 19 (5), 440-445

Kipersztok,S., et al. (1995) Genomics 25 (2), 354-359

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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