

Recombinant human Stella/DPPA3 protein

Catalog Number: ATGP1736

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-159aa

UniProt No.

Q6W0C5

NCBI Accession No.

NP_954980

Alternative Names

Developmental pluripotency associated 3, STELLA

PRODUCT SPECIFICATION

Molecular Weight

20.2 kDa (182aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% 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

DPPA3 is a protein that in mice may function as a maternal factor during the preimplantation stage of development. In mice, this protein may play a role in transcriptional repression, cell division, and maintenance of cell pluripotentiality. In humans, related intronless loci are located on chromosomes 14 and X. Recombinant human DPPA3 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMDPSQFN PTYIPGSPQM LTEENSRDDS GASQISSETL IKNLSNLTIN ASSESVSPLS

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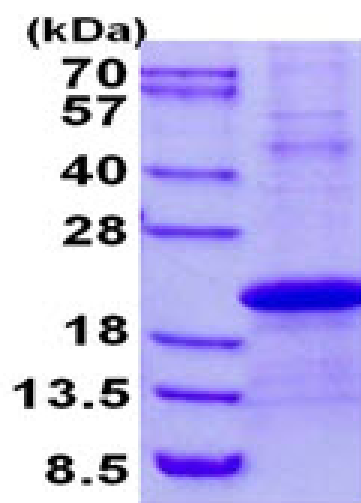
EALLRRESVG AAVLREIEDE WLYSRRGVRT LLSVQREKMA RLRVYMLLGGV RTHERRPTNK EPKGVKKESR PFKCPCSFCV
SNGWDPSENA RIGNQDTKPL QP

General References

Nakamura, T., et al. (2007) Nat. Cell Biol. 9 (1), 64-71

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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