

# Recombinant human DPPA4 protein

Catalog Number: ATGP2199

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-304aa

### UniProt No.

Q7L190

### NCBI Accession No.

NP\_060659.3

### Alternative Names

Developmental pluripotency associated 4, 2410091M23Rik

## PRODUCT SPECIFICATION

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### Molecular Weight

35.9 kDa (327aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

### Purity

> 85% 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

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### Description

DPPA4 may be involved in the maintenance of active epigenetic status of target genes and may inhibit differentiation of embryonic cells into a primitive ectoderm lineage. Recombinant human DPPA4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MLRGSAS STSMKAKGK EWTSTKSRE EDQQASNQPN SIALPGTSAK  
RTKEKMSIKG SKVLCPKKA EHTDNPRPQK KIPPLPSK LPPVNLHRD ILRAWCQQLK LSSKGQLDA YKRLCAFAYP

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NQKDFPSTAK EAKIRKSLQK KLKVEKGETS LQSSETHPPE VALPPVGEPP ALENSTALLE GVNTVVVTTTS APEALLASWA  
RISARARTPE AVESPQEASG VRWCVVHGKS LPADTDGWWH LQFHAGQAWV PEKQEGRVSA LFLLPASNFP PPHLEDNMLC  
PKCVHRNKVL IKSLQWE

## General References

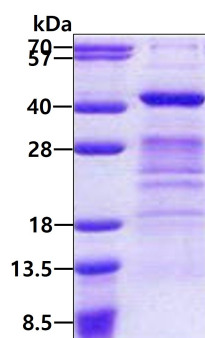
Ota T., et al. (2004) Nat. Genet. 36:40-45

Muzny D.M., et al. (2006) Nature. 440:1194-1198

## DATA

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### SDS-PAGE



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