

## **Product datasheet for AR51023PU-N**

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# DPPA4 (1-304, His-tag) Human Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** DPPA4 (1-304, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** MGSSHHHHHH SSGLVPRGSH MGSMLRGSAS STSMEKAKGK EWTSTEKSRE EDQQASNQPN

or AA Sequence: SIALPGTSAK RTKEKMSIKG SKVLCPKKKA EHTDNPRPQK KIPIPPLPSK LPPVNLIHRD ILRAWCQQLK

LSSKGQKLDA YKRLCAFAYP NQKDFPSTAK EAKIRKSLQK KLKVEKGETS LQSSETHPPE VALPPVGEPP ALENSTALLE GVNTVVVTTS APEALLASWA RISARARTPE AVESPQEASG VRWCVVHGKS LPADTDGWVH LQFHAGQAWV PEKQEGRVSA LFLLPASNFP PPHLEDNMLC

PKCVHRNKVL IKSLQWE

Tag: His-tag
Predicted MW: 35.9 kDa
Concentration: lot specific

Purity: >85% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM

DTT

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human DPPA4 protein, fused to His-tag at N-terminus, was expressed in E.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 001335857

**Locus ID:** 55211

Cytogenetics: 3q13.13

**Synonyms:** 2410091M23Rik

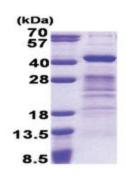




#### **Summary:**

This gene encodes a nuclear factor that is involved in the maintenance of pluripotency in stem cells and essential for embryogenesis. The encoded protein has a scaffold-attachment factor A/B, acinus and PIAS (SAP) domain that binds DNA and is thought to modify chromatin. Mice with a homozygous knockout of the orthologous gene die during late embryonic development or within hours after birth. Knockout embryos are normal in size at embryonic day 18.5 but exhibit skeletal and lung tissue abnormalities. This gene, when mutated, is highly expressed in embryonal carcinomas, pluripotent germ cell tumors, and other cancers and is thought to play an important role in tumor progression. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]

## **Product images:**



15% SDS-PAGE (3ug)