

Recombinant Human DPPA4 Protein, GST-tagged

Cat. No. DPPA4-2854H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DPPA4 full-length ORF (AAH32846.2, 1 a.a. - 304 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	59.9 kDa
AA Sequence	MLRGSASSTSMEKAKGKEWTSTEKSREEDQQASNQPNSIALPGTSAKRTKEKMSV KGSKVLCPPKKAEHTDNPRPQKKIPIPLPSKLPPVNLHRDILRAWCQQLKLSSKGQ KLDAYKRLCAFAYPNQKDFPSTAKEAKIRKSLQKKLKVEKGETSLQSSETHPPEVAL

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PPVGEPPALENSTALLEGVNTVVVTTSAPEALLASWARISARARTPEAVES PQEASG
VRWCVVHGKSLPADTDGWVHLQFHAGQAWVPEKQEGRVSALFLLPASNFPPPHLE
DNMLCPKCVHRNKVLIKSLQWE

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DPPA4 developmental pluripotency associated 4 [Homo sapiens]

Official Symbol

DPPA4

Synonyms

DPPA4; developmental pluripotency associated 4; developmental pluripotency-associated protein 4; FLJ10713; 2410091M23Rik;

Gene ID

55211

mRNA Refseq

NM_018189

Protein Refseq

NP_060659

MIM

614125

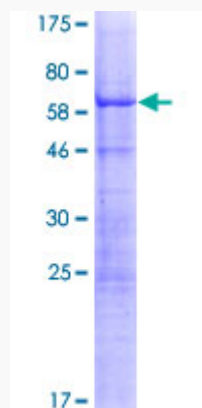
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UniProt ID Q7L190

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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