

Recombinant Full Length Human DPPA4 Protein, GST-tagged

Cat. No. DPPA4-4154HF **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	In Vitro Cell Free System
ProteinLength	304 amino acids
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 KGSKVLCPKKKAEHTDNPRPQKKIPIPLPSKLPPVNLHRDILRAWCQQLKLSSKGQ

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KLDAYKRLCAFAYPNQKDFPSTAKEAKIRKSLQKKLKVEKGETSLQSSETHPPEVAL
PPVGEPPALENSTALLEGVNTVVVTTSAPEALLASWARISARARTPEAVESPPQEASG
VRWCVVHKGKSLPADTDGWVHLQFHAGQAWVPEKQEGRVSALFLLPASNFPPPHLE
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

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MIM	614125
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UniProt ID	Q7L190
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