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 KGSKVLCPKKKAEHTDNPRPQKKIPIPPLPSKLPPVNLIHRDILRAWCQQLKLSSKGQ KLDAYKRLCAFAYPNQKDFPSTAKEAKIRKSLQKKLKVEKGETSLQSSETHPPEVAL

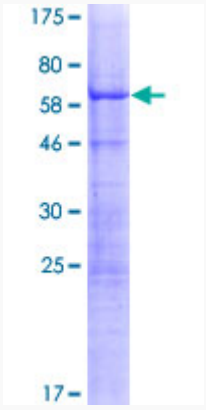
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	PPVGEPPALENSTALLEGVNTVVVTTSAPEALLASWARISARARTPEAVESPQEASG VRWCVVHGKSLPADTDGWVHLQFHAGQAWVPEKQEGRVSALFLLPASNFPPPHLE DNMLCPKCVHRNKVLIKSLQWE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein 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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