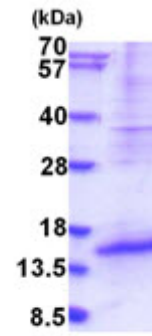


AR51721PU-N**Human DPPA5 / ESG1 (1-116, His-tag) - Purified**

Alternate names:	Developmental pluripotency-associated 5 protein, Embryonal stem cell-specific gene 1 protein
Quantity:	0.25 mg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	Developmental pluripotency-associated 5 proteins, also known as DPPA5, is a 116 amino acid protein that localizes to the cytoplasm and contains one KH domain. Expressed in embryonic germ (EG), primordial germ (PG) and embryonic stem (ES) cells, DPPA5 plays an important role in the maintenance of ES cell pluripotency and may be necessary for proper embryogenesis. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus.
Uniprot ID:	A6NC42
NCBI:	NP_001020461
GeneID:	340168
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Phosphate buffer (pH 8.0) containing 10% glycerol.
Description:	Recombinant human DPPA5 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHHH SGLVPRGSH MGSMTLPAR RHIPPWVKVP EDLKDPEVFQ VQTRLLKAIF GPDGSRIPYIEQVSKAMLEL KALESSDLTE VVYGSYLYK LRTKWLQSM AEWHRQRQER GMLKLAEAMN ALELGPWMK Molecular weight: 15.9 kDa (139aa)
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. Shelf life: one year from despatch.
General Readings:	1. Kim SK, Suh MR, Yoon HS, Lee JB, Oh SK, Moon SY, et al. Identification of developmental pluripotency associated 5 expression in human pluripotent stem cells. Stem Cells. 2005 Apr;23(4):458-62. PubMed PMID: 15790765. 2. Pierre A, Gautier M, Callebaut I, Bontoux M, Jeanpierre E, Pontarotti P, et al. Atypical structure and phylogenomic evolution of the new eutherian oocyte- and embryo-expressed KHDC1/DPPA5/ECAT1/OOEP gene family. Genomics. 2007 Nov;90(5):583-94. Epub 2007 Oct 3. PubMed PMID: 17913455.

Pictures:



15% SDS-PAGE (3ug)