

DPPA5, 1-116aa Human, His tag, E.coli

Cat.NO.: TP01919

3th Edition

Synonyms:Developmental pluripotency-associated 5 proteins, ESG1

Description: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. Recombinant human DPPA5 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Phosphate buffer (pH 8.0) containing 10% glycerol

Molecular Weight:15.9kDa (139aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMGTLPARRHIPPWVKVPEDLKDPEVFQVQTRLLKAIFGPDGSRIPYIEQVSK
AMLELKALESSDLTEVVVYGSYLYKLRTKWMLQSMAEWHRQRQERGMLKLAEAMNALELGPWMK

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.