

## 32-3689: DPPA5 Recombinant Protein

**Alternative Name :** ESG1, Developmental pluripotency-associated 5 proteins, hDPPA5, Embryonal stem cell-specific gene 1 protein, ESG-1.

### Description

Source : Escherichia Coli. DPPA5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 139 amino acids (1-116 a.a) and having a molecular mass of 15.9kDa. DPPA5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Developmental pluripotency-associated 5 proteins (DPPA5) is a 116 amino acid protein, which localizes to the cytoplasm and contains one KH domain. DPPA5 is expressed in embryonic germ (EG), primordial germ (PG) and embryonic stem (ES) cells. DPPA5 has an imperative role in the maintenance of ES cell pluripotency and may be essential for proper embryogenesis.

### Product Info

**Amount :** 10 µg

**Purification :** Greater than 85.0% as determined by SDS-PAGE.

**Content :** DPPA5 protein solution (0.25mg/ml) containing 20mM Phosphate buffer (pH 8.0), and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMGTLPAR RHIPPWVKVP EDLKDPEVFQ  
VQTRLLKAIFGPDGSRIPYIEQVSKAMLEL KALESSDLTE VVVGSYLYK LRTKWMLQSM AEWHRQRQER  
GMLKLAEAMNALELGPWMK.

