
Product Data Sheet

Product Name: DPPA5 Human
 Cat. No.: GP23337
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ESG1; Developmental pluripotency-associated 5 proteins; hDPPA5; Embryonal stem cell-specific gene 1 protein; ESG-1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGTLPAR RHIPPWVKVP EDLKDPEVFQ VQTRLLKAIFGPDGSRIPYIEQVSKAMLEL KALESSDLTE VVYGSYLYK LRTKWMLQSM AEWHRQRQER GMLKLAEAMNALELGPWMK.		
Formulation	DPPA5 protein solution (0.25mg/ml) containing 20mM Phosphate buffer (pH 8.0), and 10% glycerol.		

Introduction

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.

Stability

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA