
Product Data Sheet

Product Name: DPPA3 Human
 Cat. No.: GP23335
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Developmental pluripotency-associated protein 3; Stella-related protein; DPPA3; STELLAR; STELLA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSM DPSQFN PTYIPGSPQM LTEENSRDDS GASQISSETL IKNLSNLTIN ASSESVSPLS EALLRRESVG AAVLREIEDE WLYSRRGVRT LLSVQREKMA RLR YMLLGGV RTHERRPTNK EPKGVKKESR PFKCPCFCV SNGWDPSENA RIGNQDTKPL QP.		
Formulation	DPPA3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Developmental Pluripotency Associated 3 (DPPA3) is a protein which in mice may serve as a maternal factor during the preimplantation stage of development. In mice, the DPPA3 protein has a role in transcriptional repression, cell division, and maintenance of cell pluripotentiality. In humans, related intronless loci are found on chromosomes 14 and X. DPPA3 is expressed in embryonic stem and carcinoma cells. DPPA3 has a low expression in the testis, ovary and thymus. DPPA3 is highly expressed in testicular germ cell tumors.

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

DPPA3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 182 amino acids (1-159 a.a) and having a molecular mass of

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20.2kDa.DPPA3 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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