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DPPA5 Human

Developmental Pluripotency Associated 5 Human Recombinant
RCP0680

Product Overview

Name	DPPA5 Human

Description

Developmental Pluripotency Associated 5 Human Recombinant

Accession (Primary)	A6NC42

Synonyms

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

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

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

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.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MGTLPAR RHIPPWVKVP EDLKDPEVFQ VQTRLLKAIF GPDGSRIPYIEQVSKAMLEL KALESSDLTE VVVYGSYLYK LRTKWMLQSM AEWHRQRQER GMLKLAEAMN ALELGPWMK.

Precautions

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DPPA5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (A6NC42)