www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

DPPA3 Human

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

Catalog #:PRPS-1298

For research use only.

Synonyms: Developmental pluripotency-associated protein 3, Stella-related protein, DPPA3, STELLAR, STELLA.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMDPSQFN PTYIPGSPQM LTEENSRDDS GASQISSETL IKNLSNLTIN ASSESVSPLS EALLRRESVG AAVLREIEDE WLYSRRGVRT LLSVQREKMA RLRYMLLGGV RTHERRPTNK EPKGVKKESR PFKCPCSFCV SNGWDPSENA RIGNQDTKPL QP.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
DPPA3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea 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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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