9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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PHLDA2 Human

Pleckstrin homology-like domain family A member 2 Human Recombinant RCP1648

Product Overview

Name	PHLDA2 Human

Description

Pleckstrin homology-like domain family A member 2 Human Recombinant

Accession (Primary)	Q53GA4

Synonyms

Pleckstrin homology-like domain family A member 2, Imprinted in placenta and liver protein, Tumor-suppressing subchromosomal transferable fragment candidate gene 3 protein, Tumor-suppressing STF cDNA 3 protein, Beckwith-Wiedemann syndrome chromosomal region 1 candidate gene C protein, p17-Beckwith-Wiedemann region 1 C, PHLDA2, BWR1C, HLDA2, IPL, TSSC3, BRW1C.

Introduction

Pleckstrin homology-like domain family A member 2 (PHLDA2) is a cytoplasmic protein, which is involved in fetal and placental growth. PHLDA2 is an apoptosis-related protein, which acts as a negative growth regulator and is expressed during normal human development. PHLDA2 is imprinted on placenta, liver and fetal tissues during embryogenesis and is removed once development is complete. The PHLDA2 gene is one of a number of genes in the imprinted gene domain of 11p15.5 which is considered to be an important tumor suppressor gene region. Changes in this region may be linked to the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. PHLDA2 is expressed in placenta (present in all cells of the villous cytotrophoblast) and adult prostate gland. Furthermore, PHLDA2 is expressed in adult brain and neuroblastoma, medullablastoma and glioblastoma cell lines and at low levels in adult liver and lung, and fetal liver.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

PHLDA2 solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol 0.1M NaCl and 1mM DTT.

Stability

PHLDA2 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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Purity

Greater than 85% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MKSPDEVLRE GELEKRSDSL FQLWKKKRGV LTSDRLSLFP ASPRARPKEL RFHSILKVDC VERTGKYVYF TIVTTDHKEI DFRCAGESCW NAAIALALID FQNRRALQDF RSRQERTAPA APAEDAVAAA AAAPSEPSEP SRPSPQPKPR TP.

Precautions

PHLDA2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q53GA4)