

## PHLDA2 Human

**Description:**PHLDA2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 172 amino acids (1-152 a.a.) and having a molecular mass of 19.2 kDa. PHLDA2 is fused to 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #:PRPS-788

For research use only.

**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 regi

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MKSPDEVLRE GELEKRSDSL  
FQLWKKKRGV LTSDRLSLFP ASPRARPKEL RFHSILKVDC VERTGKYVYF TIVTTDHKEI  
DFRCAGESCW NAAIALALID FQNRRLQDF RSRQERTAPA APAEDAVAAA AAAPSEPSEP  
SRPSPQPKPR TP.

**Purity:**Greater than 80% as determined by SDS-PAGE.

**Formulation:**

PHLDA2 solution 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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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