



# Recombinant Protein Technical Manual

## Recombinant Human PHLDA2/BWR1C Protein (His Tag)

RPES1782

### Product Data:

**Product SKU:** RPES1782

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q53GA4

### Protein Information:

**Molecular Mass:** 18.1 kDa

**AP Molecular Mass:** 14-25 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 80 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 0.1M NaCl, 1mM DTT, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Pleckstrin Homology-Like Domain Family A Member 2; Beckwith-Wiedemann Syndrome Chromosomal Region 1 Candidate Gene C Protein; Imprinted in Placenta and Liver Protein; Tumor-Suppressing STF cDNA 3 Protein; Tumor-Suppressing Subchromosomal Transferable Fragment Candidate Gene 3 Protein; p17-Beckwith-Wiedemann Region 1 C; p17-BWR1C; PHLDA2; BWR1C; HLDA2; IPL; TSSC3

## Immunogen Information:

**Sequence:** Met 1-Pro152

## Background:

Pleckstrin Homology-Like Domain Family A Member 2 (PHLDA2) is a peripheral membrane protein that belongs to the PHLDA2 family. PHLDA2 is expressed in the placenta and adult prostate gland. In the placenta, it is present in all cells of the villous cytotrophoblast. PHLDA2 plays a role in regulating placenta growth. PHLDA2 may act via its PH domain that competes with other PH domain-containing proteins, thereby preventing their binding to membrane lipids.