

## Product datasheet for **TP306751L**

### PHLDA3 (NM\_012396) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human pleckstrin homology-like domain, family A, member 3 (PHLDA3), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC206751 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MTAAATATVLKEGVLEKRSGLLQLWKRKRCVLTERGLQLFEAKGTGGRPKELSFARIKAVECVESTGRH  
IYFTLVTEGGGEIDFRCPLEDPGWNAQITLGLVKFKNQQAQITVRARQSLGTGLVS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 13.7 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_036528](#)

**Locus ID:** 23612

**UniProt ID:** [Q9Y5J5](#)

**RefSeq Size:** 1516



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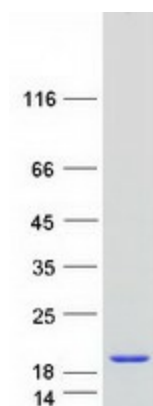
Cytogenetics: 1q32.1

RefSeq ORF: 381

Synonyms: TIH1

**Summary:** p53/TP53-regulated repressor of Akt/AKT1 signaling. Represses AKT1 by preventing AKT1-binding to membrane lipids, thereby inhibiting AKT1 translocation to the cellular membrane and activation. Contributes to p53/TP53-dependent apoptosis by repressing AKT1 activity. Its direct transcription regulation by p53/TP53 may explain how p53/TP53 can negatively regulate AKT1. May act as a tumor suppressor.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified PHLDA3 protein (Cat# [TP306751]). The protein was produced from HEK293T cells transfected with PHLDA3 cDNA clone (Cat# [RC206751]) using MegaTran 2.0 (Cat# [TT210002]).