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### Recombinant human RWDD1 protein

Catalog Number: ATGP1844

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-243aa

#### **UniProt No.**

O9H446

#### **NCBI Accession No.**

NP 057036

#### **Alternative Names**

RWD domain-containing protein 1, CGI-24, PTD013

#### **PRODUCT SPECIFICATION**

#### **Molecular Weight**

30.3 kDa (266aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl,10% glycerol, 2mM DTT

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

RWDD1, also known as CGI-24 or PTD013, belongs to the RWDD1/GIR2 family. This protein protects DRG2 (developmentally regulated GTP binding protein 2), from proteolytic degradation. RWDD1 is a novel RWD domain containing protein. RWD domain refers to three signature motifs in proteins: RING finger, WD-repeats, and yeast DEAD (DEXD) -like motif. The function of this domain is not clear enough. Present evidence suggests that RWD domain might be necessary for protein-protein interaction. Recombinant human RWDD1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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#### **Amino acid Sequence**

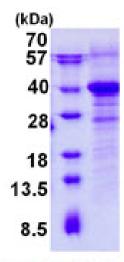
MGSSHHHHHH SSGLVPRGSH MGSMTDYGEE QRNELEALES IYPDSFTVLS ENPPSFTITV TSEAGENDET VQTTLKFTYS EKYPDEAPLY EIFSQENLED NDVSDILKLL ALQAEENLGM VMIFTLVTAV QEKLNEIVDQ IKTRREEEKK QKEKEAEEAE KQLFHGTPVT IENFLNWKAK FDAELLEIKK KRMKEEEQAG KNKLSGKQLF ETDHNLDTSD IQFLEDAGNN VEVDESLFQE MDDLELEDDE DDPDYNPADP ESDSAD

#### **General References**

Kang N, et al. (2008) Cell Mol Immunol. 5(5):333-9. Grotsch H, et al. (2012) Mol Cell Endocrinol. 358(1):53-62.

#### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.