

# Recombinant human RWDD1 protein

Catalog Number: ATGP1844

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-243aa

### UniProt No.

Q9H446

### NCBI Accession No.

NP\_057036

### Alternative Names

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

## PRODUCT SPECIFICATION

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### 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

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### 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

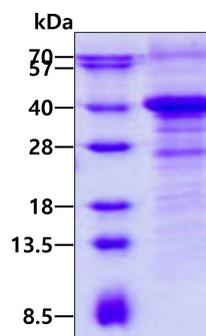
<MGSSHHHHHH SSGLVPRGSH MGS>MTDYGEE QRNELEALES IYPDSFTVLS ENPPSFTITV TSEAGENDET VQTTLKFTYS  
EKYPDEAPLY EIFSQENLED NDVSDILKLL ALQAEENLGM VMIFTLVTAV QEKLNEIVDQ IKTRREEEEK QKEKEAEEAE  
KQLFHGTPVT IENFLNWKAK FDAELLEIKK KRMKEEQAG KNKLSGKQLF ETDHNLDTSD IQFLEDAGNN VEVDESLEFQE  
MDDLELEDDE DDPDYNPADP ESDSAD

## 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



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