

**RWDD1, 1-243aa, Human, His tag, E.coli**

**Cat.NO.: TP03813**

3th Edition

**Synonyms:**RWD domain-containing protein 1, CGI-24, PTD013

**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.

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

**Molecular Weight:**30.3kDa (266aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSM TDYGEEQRNELEALESIYPDSFTV LSENPPSFTITVTSEAGENDET VQTTLK  
FTYSEKYPDEAPLYEIFSQENLEDNDVSDILKLLALQAEENLGMVMIFTLVTAVQEKLNEIVDQIKTRREEEKKQKEKE  
AEEAEKQLFHGTPVTIENFLNWKAKFDAELLEIKKKRMKEEQAGKNKLSGKQLFETDHNLDTSDIQFLEDAGNNVE  
VDESLFQEMDDLEDEDDDPDYNPADPESDSAD

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.