

Datasheet for ABIN2730398

**RAD18 Protein (Myc-DYKDDDDK Tag)**[1 Image](#)[1 Publication](#)[Go to Product page](#)

## Overview

Quantity:	20 µg
Target:	RAD18
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAD18 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

## Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human RAD18 / RNF73 protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

## Target Details

Target:	RAD18
Alternative Name:	Rad18,rnf73 ( <a href="#">RAD18 Products</a> )
Background:	The protein encoded by this gene is highly similar to <i>S. cerevisiae</i> DNA damage repair protein Rad18. Yeast Rad18 functions through its interaction with Rad6, which is an ubiquitin-conjugating enzyme required for post-replication repair of damaged DNA. Similar to its yeast counterpart, this protein is able to interact with the human homolog of yeast Rad6 protein through a conserved ring-finger motif. Mutation of this motif results in defective replication of

## Target Details

UV-damaged DNA and hypersensitivity to multiple mutagens.

Molecular Weight: 56 kDa

NCBI Accession: [NP\\_064550](#)

## Application Details

Application Notes: Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

## Handling

Concentration: 50 µg/mL

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

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

## Publications

Product cited in: Huang, Shao, Qu, Yang, Dwyer, Liu: "Coordinated interaction of Down syndrome cell adhesion molecule and deleted in colorectal cancer with dynamic TUBB3 mediates Netrin-1-induced axon branching." in: **Neuroscience**, Vol. 293, pp. 109-22, (2015) ([PubMed](#)).

Soufi, Garcia, Jaroszewicz, Osman, Pellegrini, Zaret: "Pioneer transcription factors target partial DNA motifs on nucleosomes to initiate reprogramming." in: **Cell**, Vol. 161, Issue 3, pp. 555-68, (2015) ([PubMed](#)).

Wang, Reece, Yang: "Oxidative stress is responsible for maternal diabetes-impaired transforming growth factor beta signaling in the developing mouse heart." in: **American journal of obstetrics and gynecology**, Vol. 212, Issue 5, pp. 650.e1-11, (2015) ([PubMed](#)).

Gallardo, Martínez-Hernández, Titulaer, Huijbers, Martínez, Ramos, Querol, Díaz-Manera, Rojas-

## Publications

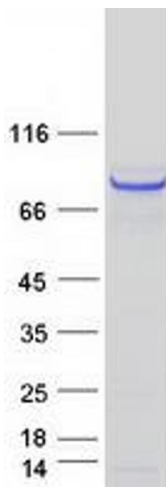
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García, Hayworth, Verschuuren, Balice-Gordon, Dalmau, Illa: "Cortactin autoantibodies in myasthenia gravis." in: **Autoimmunity reviews**, Vol. 13, Issue 10, pp. 1003-7, (2014) ([PubMed](#)).

Qu, Dwyer, Shao, Yang, Huang, Liu: "Direct binding of TUBB3 with DCC couples netrin-1 signaling to intracellular microtubule dynamics in axon outgrowth and guidance." in: **Journal of cell science**, Vol. 126, Issue Pt 14, pp. 3070-81, (2013) ([PubMed](#)).

## Images

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### Western Blotting

**Image 1.** Validation with Western Blot