

## Recombinant Mouse NdrG1 Protein, Myc/DDK-tagged

Cat. No. NdrG1-4324M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length N-myc downstream regulated gene 1 (NdrG1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Stress-responsive protein involved in hormone responses, cell growth, and differentiation. Acts as a tumor suppressor in many cell types. Necessary but not sufficient for p53/TP53-mediated caspase activation and apoptosis. Required for vesicular recycling of CDH1 and TF. May also function in lipid trafficking. Protects cells from spindle disruption damage. Functions in p53/TP53-dependent mitotic spindle checkpoint. Regulates microtubule dynamics and maintains euploidy. Has a role in cell trafficking notably of the Schwann cell and is necessary for the maintenance and development of the peripheral nerve myelin sheath.
<b>Molecular Mass</b>	43 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

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

## GENE INFORMATION

**Gene Name** [NdrG1 N-myc downstream regulated gene 1 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [NdrG1](#)

**Synonyms** NDRG1; N-myc downstream regulated gene 1; protein NDRG1; protein Ndr1; N-myc downstream regulated 1; N-myc downstream-regulated gene 1 protein; RTP; DRG1; NMSL; Ndr1; NdrI; TDD5; CAP43; CMT4D; HMSNL; PROXY1

**Gene ID** [17988](#)

**mRNA Refseq** [NM\\_008681](#)

**Protein Refseq** [NP\\_032707](#)

**UniProt ID** [Q62433](#)

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