

# Recombinant Human NDRG1 Protein

Catalog No.: RP03256 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	10397	Q92597

### Tags

C-His

### Synonyms

NDRG1; CAP43; DRG1; RTP; TARG1; CMT4D; GC4; HMSNL; NDR1; NMSL; PROXY1; RIT42; TDD5; N-myc downstream-regulated gene 1 protein; Differentiation-related gene 1 protein; Reducing agents and tunicamycin-responsive protein

## Product Information

Source	Purification
E.coli	> 85% by SDS-PAGE.

### Endotoxin

Please contact us for more information.

### Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact

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## Background

NDRG1 is a cytoplasmic protein involved in stress responses, hormone responses, cell growth, and differentiation. NDRG1 is necessary for p53-mediated caspase activation and apoptosis. Mutations in the NDRG1 gene are a cause of Charcot-Marie-Tooth disease type 4D, and expression of this gene may be a prognostic indicator for several types of cancer.

## Basic Information

### Description

Recombinant Human NDRG1 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Cys394) of human NDRG1 (Accession #Q92597) fused with His tag at the C-terminus.

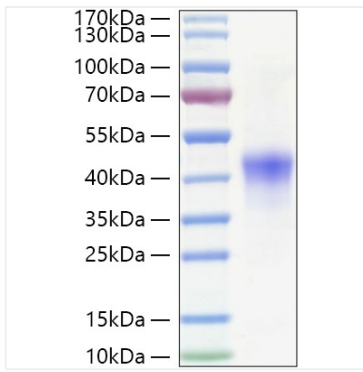
### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human NDRG1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 40-45 kDa.