

**Product Name: Recombinant Human NDRG1 (N-6His)**  
**Catalog #: PEH1200**

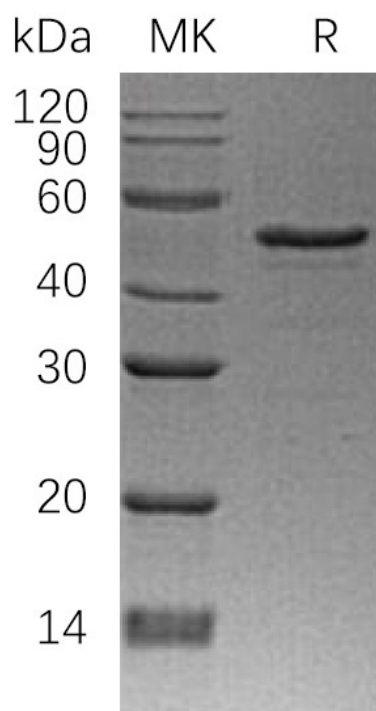


## Summary

|                                 |  |
|---------------------------------|--|
| <b>Name</b>                     | NDRG1/N-myc downstream-regulated gene 1 protein/NDRG1  |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE  |
| <b>Endotoxin level</b>          | <1 EU/μg as determined by LAL test.  |
| <b>Construction</b>             | Recombinant Human N-myc Downstream Regulated Gene 1 is produced by our E.coli expression system and the target gene encoding Met1-Cys394 is expressed with a 6His tag at the N-terminus.   |
| <b>Accession #</b>              | Q92597   |
| <b>Host</b>                     | E.coli   |
| <b>Species</b>                  | Human  |
| <b>Predicted Molecular Mass</b> | 45 KDa   |
| <b>Formulation</b>              | Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.   |
| <b>Shipping</b>                 | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.   |
| <b>Stability&amp;Storage</b>    | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.   |
| <b>Reconstitution</b>           | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image

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### Alternative Names

Protein NDRG1; Differentiation-Related Gene 1 Protein; DRG-1; N-myc Downstream-Regulated Gene 1 Protein; Nickel-Specific Induction Protein Cap43; Reducing Agents and Tunicamycin-Responsive Protein; RTP; Rit42; NDRG1; CAP43; DRG1; RTP

### Background

Protein NDRG1 is a member of the N-Myc Downregulated Gene family, which is part of the  $\alpha/\beta$  Hydrolase superfamily. Protein NDRG1 is a cytoplasmic protein that is involved in stress responses, hormone responses, cell growth and differentiation. Protein NDRG1 is necessary for p53-mediated caspase activation and apoptosis. Protein NDRG1 mutations are reported to be the cause for hereditary motor and sensory neuropathy-Lom. Decreased NDRG1 expression in glioma is linked to tumor progression; overexpression of NDRG1 is connected to malignant status of esophageal cancer.

### Note

For Research Use Only , Not for Diagnostic Use.