

# Recombinant Human NDRG1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07574

**Protein Name:** Protein NdrG1 (NDRG1)

**Aliases:** GC4; RTP; DRG1; NDR1; NMSL; TDD5; CAP43; CMT4D; DRG-HMSNL; RIT42; TARG1; PROXY1; protein NDRG1; nickel-specific induction protein Cap43; N-myc downstream-regulated gene 1 protein

**UniProt ID:** Q92597

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q92597/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Mammalian cell

**Protein Length:** Full Length (2-394aa(S336D,T346D))

**Molecular Weight:** 45.5 kDa

**Protein Tag:** C-terminal 10xHis-tagged

## 2. Amino Acid Sequence (2-394aa(S336D,T346D))

SREMQDVDLAIEVKPLVEKGETITGLLQEFQVQEQDIETLHGSVHVTLCGTPKGNRP  
VILTYHDIGMNHKTCYNPLFNIEDMQEITQHFAVCHVDAPGQQDGAASFPAGYMYP  
SMDQLAEMLPGLVQQFGLKSIIGMGTGAGAYILTRFALNNPEMVEGLVLINVNPCAE  
GWMDWAASKISGWTQALPDMVVSHLFGKEEMQSNVEVVHTYRQHIVNDMNPGNL  
HLFINAYNSRRDLEIERPMPGTHVTLLQCPALLVVGDSPPAVDAVVECNKLDPTKT  
TLLKMADCGGLPQISQPAKLAEAFKYFVQGMGYMPSASMTRLMRRTASGSSVTD  
LDGTRSRSHDSEGTRSRSHTSEGTRSRSHTSEGAHLITPNSGAAGNSAGPKSME  
VSC

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



## **4. Storage Conditions**

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## **5. Product Description**

This product is a recombinant Human NDRG1 full length protein (2-394aa(S336D,T346D)) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. NDRG1, also known as GC4 or RTP or DRG1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## **6. Notes**

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.