

## 32-7277: Recombinant Human N-myc Downstream Regulated Gene 1/NDRG1/DRG-1CAP43 (N-6His)(Discontinued)

**Gene :** NDRG1  
**Gene ID :** 10397  
**Uniprot ID :** Q92597

### Description

Source: E.coli.

MW :45kD.

Recombinant Human NDRG1 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. 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.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMSREMQDVDLAEVKPLVEKGETITGLLQEFDVQEQDIETLHGSHVHTLCGTP KGNRPVILTYHDIGMNHKTCYNPLFNIEDMQEITQHFAVCHVDAPGQQDGAASFPAGYMYPSMDQLAEMLPGLVQQFGLKSIIGMGTGAGAYILTRFALNNPEMVEGLVLINVNPCAEGWMDWAASKISGWTQALPDMVVSHLFG KEEMQSNVEVVHTYRQHIVNDMNPGLHLFINAYNSRRDLEIERPMPGTHVTTLQCPALLVVGDSPPAVDAVV ECNSKLDPTKTTLLKMADCGGLPQISQPAKLAEAFKYFVQGMGYMPSASMTLRLMRSRTASGSSVTSLDGTRSR SHTSEGTRSRSTHTSEGTRSRSTHTSEGAHLDITPNSGAAGNSAGPKSMEVSC

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.