

Recombinant Human NDRG1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDRG1-4782H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDRG1 MS Standard C13 and N15-labeled recombinant protein (NP_001128714) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is a member of the N-myc downregulated gene family which belongs to the alpha/beta hydrolase superfamily. The protein encoded by this gene is a cytoplasmic protein involved in stress responses, hormone responses, cell growth, and differentiation. The encoded protein is necessary for p53-mediated caspase activation and apoptosis. Mutations in this 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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	42.8 kDa
AA Sequence	MSREMQDVDLAEVKPLVEKGETITGLLQEFDVQEQDIETLHGSVHVTLCGTPKGNR PVILTYHDIGMNHKTCYNPLFNIEDMQEITQHFAVCHVDAPGQQDGAASFPAGYMY PSMDQLAEMLPGLVQQFGLKSIIGMGTGAGAYILTRFALNNPEMVEGLVLINVNPCA EGWMDWAASKISGWTQALPDMVVSHLFGKEEMQSNVEVVHTYRQHIVNDMNPNGN LHLFINAYNSRRDLEIERPMPGTHVTTLQCPALLVVGDS SPAVDAVVECNSKLDPTK

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TLLKMADCGGLPQISQPAKLAEAFKYFVQGMGYMPSASMTRLMRSRTASGSSVTS
 LDGTRSRSHSTSEGTRSRSHSTSEGTRSRSHSTSEGAHLDITPNSGAAGNSAGPKSME
 VSCTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [NDRG1 N-myc downstream regulated 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [NDRG1](#)

Synonyms NDRG1; N-myc downstream regulated 1; CAP43; protein NDRG1; DRG1; NDR1; RTP; TDD5; DRG-1; protein regulated by oxygen-1; tunicamycin-responsive protein; differentiation-related gene 1 protein; nickel-specific induction protein Cap43; N-myc downstream-regulated gene 1 protein; reducing agents and tunicamycin-responsive protein; GC4; NMSL; CMT4D; HMSNL; RIT42; TARG1; PROXY1;

Gene ID [10397](#)

mRNA Refseq [NM_001135242](#)

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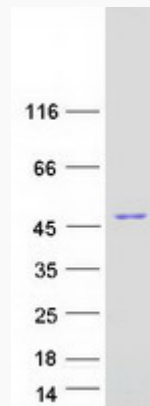
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Protein Refseq NP_001128714

MIM 605262

UniProt ID Q92597

SDS-PAGE



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