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

Cat. No. NDRG1-1379H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDRG1 MS Standard C13 and N15-labeled recombinant protein (NP_006087) 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 PVILTYHDIGMNHKTCYNPLFNYEDMQEITQHFAVCHVDAPGQQDGAASFPAGYMY PSMDQLAEMLPGVLQQFGLKSIIGMGTGAGAYILTRFALNNPEMVEGLVLINVNPCA EGWMDWAASKISGWTQALPDMVVSHLFGKEEMQSNVEVVHTYRQHIVNDMNPGN LHLFINAYNSRRDLEIERPMPGTHTVTLQCPALLVVGDSSPAVDAVVECNSKLDPTK

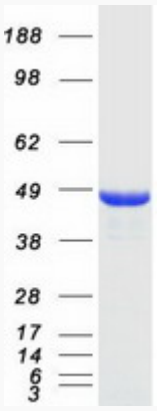
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	TTLLKMADCGGLPQISQPAKLAEAFKYFVQGMGYMPSASMTRLMRSRTASGSSVTS LDGTRSRSHTSEGTRSRSHTSEGTRSRSHTSEGAHLDITPNSGAAGNSAGPKSME VSCTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from 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_006096

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Protein Refseq	NP_006087
MIM	605262
UniProt ID	Q92597
SDS-PAGE	

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