

Recombinant Full Length Human NDRG1 Protein, C-Flag-tagged

Cat. No. NDRG1-1632HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NDRG1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.7 kDa
AA Sequence	MSREMQDVDLAEVKPLVEKGETITGLLQEFDVQEEDIETLHGSHVHTLCGTPKGNR PVILTYHDIGMNHK TCYNPLFNIEDMQEITQHFVCHVDAPGQQDGAASFPAGYMY PSMDQLAEMLPGLVQQFGLKSIIGMTG AGAYILTRFALNNPEMVEGLVLINVNPCA EGWMDWAASKISGWTQALPDMVVSHLFGKEEMQSNVEVVHT YRQHIVNDMNPGN

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LHLFINAYNSRRDLEIERPMPGTHVTTLQCPALLVVGDS SPAVD A V VECNSKLDPTK
 TTLLKMADCGGLPQISQPAKLAEAFKYFVQGMGYMPSASMTRLMRSRTASGSSVTS
 LDGTRSRSH TSEGT
 RSRSH TSEGT RSRSH TSEGAHLDITPNSGAAGNSAGPKSMEVSCTRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	NDRG1 N-myc downstream regulated 1 [Homo sapiens (human)]
Official Symbol	NDRG1
Synonyms	GC4; RTP; DRG1; NDR1; NMSL; TDD5; CAP43; CMT4D; DRG-1; HMSNL; RIT42; TARG1; PROXY1
Gene ID	10397

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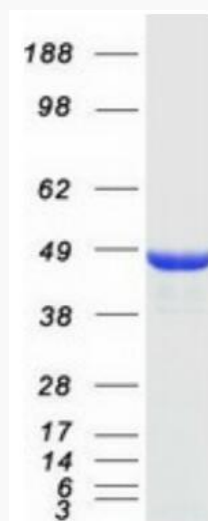
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mRNA Refseq [NM_006096.4](#)

Protein Refseq [NP_006087.2](#)

MIM [605262](#)

UniProt ID [Q92597](#)



Coomassie blue staining of purified NDRG1 protein.

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