

Product datasheet for **TP301374M**

NDRG1 (NM_006096) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human N-myc downstream regulated 1 (NDRG1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC201374 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MSREMQDVDLAEVKPLVEKGETITGLLQEFDVQEQDIETLHGVSVHVTLCGTPKGNRPVILTYHDIGMNHK
TCYNPLFNIEDMQEITQHFAVCHVDAPGQQDGAASFPAGYMYPSMDQLAEMLPGLVQQFGLKSIIGMTG
AGAYILTRFALNNPEMVEGLVLINVNPCAEGWMDWAASKISGWTQALPDMVSHLFGKEEMQSNVEVVHT
YRQHIVNDMNPGNLHLFINAYNSRRDLEIERPMPGHTHTVTLQCPALLVVGDSPPAVDAWVECNSKLDPTK
TLLKMACGGLPQISQPAKLAEAFKYFVQGMGYMPSASMTLRMSRTASGSSVTSLDGTRSRSHTSEGT
RSRSHTSEGTRSRSHTSEGAHLDITPNSGAAGNSAGPKSMEVSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

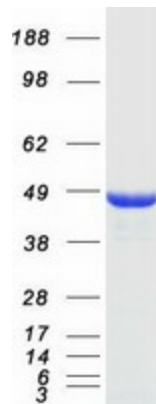
Tag:	C-Myc/DDK
Predicted MW:	42.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_006087</u>



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Locus ID:	10397
UniProt ID:	Q92597
RefSeq Size:	3123
Cytogenetics:	8q24.22
RefSeq ORF:	1182
Synonyms:	CAP43; CMT4D; DRG-1; DRG1; GC4; HMSNL; NDR1; NMSL; PROXY1; RIT42; RTP; TARG1; TDD5
Summary:	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. [provided by RefSeq, May 2012]

Product images:



Coomassie blue staining of purified NDRG1 protein (Cat# [TP301374]). The protein was produced from HEK293T cells transfected with NDRG1 cDNA clone (Cat# [RC201374]) using MegaTran 2.0 (Cat# [TT210002]).