

## Product datasheet for PH301374

### NDRG1 (NM\_006096) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NDRG1 MS Standard C13 and N15-labeled recombinant protein (NP_006087)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201374
Predicted MW:	42.8 kDa
Protein Sequence:	>RC201374 protein sequence Red=Cloning site Green=Tags(s)
	MSREMQDVDLAEVKPLVEKGETITGLLQEFDVQEQDIETLHGSVHVTLCTGTPKGNRPVILTYHDIGMNHK TCYNPLFNYEDMQEITQHFAVCHVDAPGQQDGAASFPAGYMYPSMDQLAEMLPGLVQQFGLKSIIGMGTG AGAYILTRFALNNPEMVEGLVLIINVNPCAEGWMDWAASKISGWTQALPDMVVSHLFGKEEMQSNVEVVHT YRQHIVNDMNPGLHLFINAYNSRRDLEIERPMPGTHTVTLQCPALLVVGDSAPVDAVVECNSKLDPTK TLLKMACGGLPQISQPAKLAEAFKYFVQGMGYMPSASMTRLMSRTASGSSVTSLDGTRRSHTSEGT RSRSHSEGTRRSHTSEGAHLDITPNSGAAGNSAGPKSMEVSC
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_006087</a></u>
RefSeq Size:	3123
RefSeq ORF:	1182
Synonyms:	CAP43; CMT4D; DRG-1; DRG1; GC4; HMSNL; NDR1; NMSL; PROXY1; RIT42; RTP; TARG1; TDD5
Locus ID:	10397



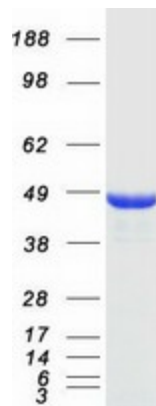
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UniProt ID: [Q92597](#)

Cytogenetics: 8q24.22

**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]).