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# Product datasheet for PH320003

## NDRG2 (NM_201539) Human Mass Spec Standard

### Product data:

| | |
|---|---|
| **Product Type:** | Mass Spec Standards |
| **Description:** | NDRG2 MS Standard C13 and N15-labeled recombinant protein (NP_963833) |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | RC220003 |
| **Predicted MW:** | 40.6 kDa |
| **Protein Sequence:** | >RC220003 representing NM_201539<br>Red=Cloning site Green=Tags(s)<br><br>MAELQEVQITEEKPLLPGQTPEAAKEAELAARILLDQGQTHSVETPYGSVTFTVYGTPKPKRPAILTYHD<br>VGLNYKSCFQPLFQFEDMQEIIQNFVRVHVDAPGMEEGAPVFPLGYQYPSLDELADMIPCVLQYLNFSTI<br>IGVGVGAGAYILARYALNHPDTVEGLVLINIDPNAKGWMDWAAHKLTGLTSSIPEMILGHLFSQEELSGN<br>SELIQKYRNIITHAPNLDNIELYWNSYNNRRDLNFERGGDITLRCPVMLVVGDQAPHEDAVVECNSKLDP<br>TRTSFLKMADSGGQPQLTQPGKLTEAFKYFLQGMGYMASSCMTRLSRSRTASLTSAASVDGNRSRSRTLS<br>QSSESGTLSSGPPGHTMEVSC<br><br>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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:** | NP_963833 |
| **RefSeq Size:** | 2052 |
| **RefSeq ORF:** | 1113 |
| **Synonyms:** | SYLD |
| **Locus ID:** | 57447 |

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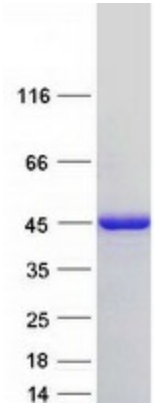
**UniProt ID:** Q9UN36

**Cytogenetics:** 14q11.2

**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 that may play a role in neurite outgrowth. This gene may be involved in glioblastoma carcinogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2017]

## Product images:




Coomassie blue staining of purified NDRG2 protein (Cat# [TP320003]). The protein was produced from HEK293T cells transfected with NDRG2 cDNA clone (Cat# [RC220003]) using MegaTran 2.0 (Cat# [TT210002]).