

Product datasheet for PH321301

NDRG4 (NM_022910) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NDRG4 MS Standard C13 and N15-labeled recombinant protein (NP_075061)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221301
Predicted MW:	40.6 kDa
Protein Sequence:	>RC221301 representing NM_022910 Red=Cloning site Green=Tags(s)

MAGLQELRFPEEKPLLRGQDATELESSDAFLAADTDWKEHDIETPYGLLHVIRGSPKGNRPAILTYHD
VGLNHKLCFNFFNFEDMQEITKHFVVCHVDAPGQQVGASQFPQGYQFPQSMEQLAAMLPSVVQHFQFKYV
IGIGVGAGAYVLAKFALIFPDLVEGLVLVNIDPNGKGWIDWAATKLSGLTSTLPDPTVLSHLFSQEELVNN
TELVQSYRQQIGNVVNQANLQLFWMYNSRRDLINRPGTVPNAKTLRCPVMLVVDNAPAEEDGVVECNS
KLDPTTTTFLKMADSGGLPQVTQPGKLTEAFKYFLQGMGYMPSASMTLRARSRTASLTSASSVDGSRPQA
CTHSESSEGLGQVNHTMEVSC

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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>NP_075061</u>
RefSeq Size:	3453
RefSeq ORF:	1113
Synonyms:	BDM1; SMAP-8; SMAP8
Locus ID:	65009



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UniProt ID: [Q9ULP0](#), [A0A024R6V8](#)

Cytogenetics: 16q21

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 is required for cell cycle progression and survival in primary astrocytes and may be involved in the regulation of mitogenic signalling in vascular smooth muscles cells. Alternative splicing results in multiple transcripts encoding different isoforms.[provided by RefSeq, Jun 2011]

Product images:



Coomassie blue staining of purified NDRG4 protein (Cat# [TP321301]). The protein was produced from HEK293T cells transfected with NDRG4 cDNA clone (Cat# [RC221301]) using MegaTran 2.0 (Cat# [TT210002]).