

[Go to Product page](#)

Datasheet for ABIN1097200

NDRG1 Protein (AA 1-394) (His tag)

Overview

Quantity:	50 µg
Target:	NDRG1
Protein Characteristics:	AA 1-394
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NDRG1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human N-myc Downstream Regulated Gene 1/NDRG1/DRG-1CAP43 (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MSREMQDVDL AEVKPLVEKG ETITGLLQEF DVQEQDIETL HGSVHVTLTG TPKGNRPVIL TYHDIGMNHK TCYNPLFNYE DMQEITQHFA VCHVDAPGQQ DGAASFPAGY MYPMSMDQLAE MLPGVLQQFG LKSIIGMTG AGAYILTRFA LNNPEMVEGL VLINVNPCAE GWMDWAASKI SGWTQALPDM VVSHLFGKEE MQSNVEVVHT YRQHIVNDMN PGNLHLFINA YNSRRDLEIE RPMPGTHTVT LQCPALLVVG DSSPAVDAVV ECNSKLDPTK TTLLKMADCG GLPQISQPAK LAEAFKYFVQ GMGYMPSASM TRLMRSRTAS GSSVTSLDGT RSRSHTSEGT RSRSHTEGT RSRSHTEGA HLDITPNSGA AGNSAGPKSM EVSC
Characteristics:	Recombinant Human Protein NDRG1/NDRG1 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Cys394) of Human NDRG1 fused with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	NDRG1
Alternative Name:	NDRG1 (NDRG1 Products)
Sub Type:	Fusionprotein
Background:	<p>Protein NDRG1 is a member of the N-Myc Downregulated Gene family, which is part of the alpha/beta Hydrolase superfamily. Protein NDRG1 is a cytoplasmic protein that is involved in stress responses, hormone responses, cell growth and differentiation. Protein NDRG1 is necessary for p53-mediated caspase activation and apoptosis. Protein NDRG1 mutations are reported to be the cause for hereditary motor and sensory neuropathy-Lom. Decreased NDRG1 expression in glioma is linked to tumor progression, overexpression of NDRG1 is connected to malignant status of esophageal cancer.</p> <p>Alternative Names: Protein NDRG1, Differentiation-Related Gene 1 Protein, DRG-1, N-myc Downstream-Regulated Gene 1 Protein, Nickel-Specific Induction Protein Cap43, Reducing Agents and Tunicamycin-Responsive Protein, RTP, Rit42, NDRG1, CAP43, DRG1, RTP</p>
Molecular Weight:	45 kDa
UniProt:	Q92597

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C

Handling

Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months
