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Human recombinant protein NDRG1

Human Recombinant NDRG1
Catalog # PBV10627r

Specification

Human recombinant protein NDRG1 - Product info

Primary Accession	Q92597
Concentration	1
Calculated MW	43.9 kDa (402 aa, 1-394 aa + CT His Tag) KDa

Human recombinant protein NDRG1 - Additional Info

Gene ID	10397
Gene Symbol	NDRG1

Other Names
N-myc downstream regulated 1, CAP43, CMT4D, DRG1, GC4, HMSNL, NMSL, PROXY1, RIT42, RTP, TARG1, TDD5 .

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	0.5 - 1.5 ng/ml
Sequence	MSREMQDVDL AEVKPLVEKG ETITGLLQEF DVQEQDIETL HGSVHVTLCG TPKGNRPVIL TYHDIGMNHK TCYNPLFNYE DMQEITQHFA VCHVDAPGQQ DGAASFPAGY MYPSMDQLAE MLPGVLQQFG LKSIIGMGTG AGAYILTRFA LNNPEMVEGL VLINVNPCAE GWMDWAASKI SGWTQALPDM VVSHLFGKEE MQSNVEVVHT YRQHIVNDMN PGNLHLFINA YNSRRDLEIE RPMPGTHTVT LQCPALLVVG DSSPAVDAVV ECNSKLDPTK TTLLKMADCG GLPQISQPAK LAEAFKYFVQ GMGYMPSASM TRLMRSRTAS GSSVTSLDGT RSRSHTSEGT RSRSHTSEGT RSRSHTSEGA HLDITPNSGA AGNSAGPKSM EVSCLEHHHH HH

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 mM PMSF and 10% glycerol.

Human recombinant protein NDRG1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human recombinant protein NDRG1 - Images

Human recombinant protein NDRG1 - Background

NDRG1 is a cytoplasmic protein that is involved in stress responses, hormone responses, cell growth, and differentiation. NDRG1 is one of 4 members of the NDRG α/β-hydrolase family. It is classified as a tumor suppressor and heavy metal-response protein. NDRG1's functions include cell-cycle regulation, cellular differentiation, apoptosis, hypoxia response and metal-ion sensing. It is also essential for p53-mediated caspase activation and apoptosis. NDRG1 is ubiquitous; it is expressed most notably in placental membranes and prostate, kidney, small intestine, and ovary tissues. NDRG1 has reduced expression in adenocarcinomas compared to normal tissues. NDRG1 gene mutations are reported to be the cause for hereditary motor and sensory neuropathy-Lom (HMSNL), which is a severe autosomal recessive form of Charcot- Marie-Tooth (CMT) disease. In addition, decreased NDRG1 expression in glioma is linked to tumor progression. On the other hand, overexpression of NDRG1 is connected to malignant status of esophageal cancer. NDRG1 may also have a role in portal vein invasion and intrahepatic metastasis in human hepatocellular carcinoma.

Human recombinant protein NDRG1 - References

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