

Human NDRG1 Recombinant Protein



RPPB4076

Product Information Protein Information

Product SKU:

RPPB4076

Accession:

Q92597

Host:

Escherichia Coli.

Protein description:

NDRG1 Human Recombinant fused with 8 amino acid His tag at C-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 402 amino acids (1-394 a.a.) and having a molecular mass of 43.9 kDa. The NDRG1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Protein NDRG1, N-myc downstream-regulated gene 1 protein, Differentiation-related gene 1 protein, Reducing agents and tunicamycin-responsive protein, Nickel-specific induction protein Cap43, DRG-1, RTP, Rit42, NDRG1, CAP43, DRG1, GC4, NDR1, NMSL, TDD5, CMT4D, HMSNL, TARG1, PROXY1.

Formulation:

The NDRG1 solution contains 20mM Tris-HCl buffer (pH8.0), 0.1mM PMSF and 10% Glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MSREMQDVDL AEVKPLVEKG ETITGLLQEF DVQEQDIETL HGSVHVTLTG TPKGNRPVIL TYHDIGMNHK
TCYNPLFNYE DMQEITQHFAVCHVDAPGQQ DGAASFAGY MYPSMDQLAE MLPGVLQQFG LKSIIGMG TG
AGAYILTRFA LNNPEMVEGL VLINVNPCAE GWMDWAASKI SGWTQALPDM VVSHLFGKEE MQSNVEVVHT
YRQHIVNDMN PGNLHLFINA YNSRRDLEIE RPMPGTHVT LQCPALLVVG DSSPAVDAVV ECNSKLDPTK
TLLKMADCG GLPQISQPAK LAEAFKYFVQ GMGYMPSASM TRLMSRTAS GSSVTSLDGT RSRSHSEGT
RSRSHSEGT RSRSHSEGA HLDITPNSGA AGNSAGPKSM EVSCLEHHHH HH

Biological Activity:

Measured in a cell proliferation assay using MCF7 cell. The ED50 for this effect is 0.5 - 1.5ng/ml, corresponding to a Specific Activity of 666,000 -2,000,000 IU/mg.