

N-Myc Downstream Regulated 1 Human Recombinant

Item Number	rAP-3709
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, CM
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.
Uniprot Accession Number	Q92597
Amino Acid Sequence	MSREMQDVDL AEVKPLVEKG ETITGLLQEF DVQEQDIETL HGSVHVTLCG TPKGNRPVIL TYHDIGMNHK TCYNPLFNYE DMQEITQHFAVCHVDAPGQQ DGAASFPAGY MYPSMDQLAE MLPGVLQQFG LKSIIGMTG AGAYILTRFA LNNPEMVEGL VLINVNPCAE GWMDWAASKI SGWTQAL- PDM VVSHLFGKEE MQSNVEVVHT YRQHIVNDMN PGNLHLFINA YNSRRDLEIE RPMPGTHTVT LQCPALLVVG DSSPAVDAVV ECNSKLDPTK TTLKMACDG GLPQISQPAK LAEAFKYFVQ GMGYMPSASM TRLMRSRTAS GSSVTSLDGT RSRSHSEGT RSRSHSEGT RSRSHSEGA
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The NDRG1 solution contains 20mM Tris-HCl buffer (pH8.0), 0.1mM PMSF and 10% Glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**