

Recombinant Human NDRG1, T7 -tagged

Cat. No. NDRG1-28796TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein (Human) fused to T7-Tag at N-terminal end.
Species	Human
Source	E.coli
Description	<p>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 involved in stress responses, hormone responses, cell growth, and differentiation. It is necessary for p53-mediated caspase activation and apoptosis. Mutation in this gene has been reported to be causative for hereditary motor and sensory neuropathy-Lom. Multiple alternatively spliced variants, encoding the same protein, have been identified.</p>
Conjugation	T7
Tissue specificity	Ubiquitous; expressed most prominently in placental membranes and prostate, kidney, small intestine, and ovary tissues. Reduced expression in adenocarcinomas compared to normal tissues. In colon, prostate and placental membranes, the cells that border the
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: 0.002% Sodium Azide Constituents: 0.1% Triton X-100, 10mM Tris, 10mM DTT, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the NDRG family.
Full Length	Full L.

GENE INFORMATION

Gene Name	NDRG1 N-myc downstream regulated 1 [Homo sapiens]
Official Symbol	NDRG1
Synonyms	NDRG1; N-myc downstream regulated 1; CAP43; protein NDRG1; DRG1; NDR1; RTP; TDD5;
Gene ID	10397
mRNA Refseq	NM_001135242
Protein Refseq	NP_001128714
MIM	605262
Uniprot ID	Q92597
Chromosome Location	8q24

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Pathway

Direct p53 effectors, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; Validated targets of C-MYC transcriptional repression, organism-specific biosystem;

Function

Rab GTPase binding; cadherin binding; gamma-tubulin binding; microtubule binding; protein binding;

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