# Recombinant Human NDN

**Cat. No.** NDN-30373TH **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant full length Human Necdin with N terminal proprietary tag, 61.38kDa. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **ProteinLength** | 321 amino acids |
| **Description** | This intronless gene is located in the Prader-Willi syndrome deletion region. It is an imprinted gene and is expressed exclusively from the paternal allele. Studies in mouse suggest that the protein encoded by this gene may suppress growth in postmitotic neurons. |
| **Molecular Weight** | 61.380kDa inclusive of tags |
| **Tissue specificity** | Almost ubiquitous. Detected in fetal brain, lung, liver and kidney; in adult heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine and colon. Not detected in peripheral blood leuko |
| **Form** | Liquid |
| **Purity** | Proprietary Purification |
| **Storage buffer** | pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl |

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| **Storage** | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles. |
| **Sequences of amino acids** | MSEQSKDLSDPNFAAEAPNSEVHSSPGVSEGVPPSATLAE PQSPPLGPTAAPQAA PPPQAPNDEGDPKALQQAAEEGRAH QAPSAAQPGPAPPAPAQLVQKAHELMWYV LVKDQKKMIIW FPDMVKDVIGSYKKWCRSILRRTSLILARVFGLHLRLTSL HTMEFAL VKALEPEELDRVALSNRMPMTGLLLMILSLIYV KGRGARESAVWNVLRILGLRPWKK HSTFGDVRKLITEEFV QMNYLKYQRVPYVEPPEYEFFWGSRASREITKMQIMEFLA RVFKKDPQAWPSRYREALEEARALREANPTAHYPRSSVSE D |
| **Sequence Similarities** | Contains 1 MAGE domain. |

## GENE INFORMATION

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| **Gene Name** | NDN necdin homolog (mouse) [ Homo sapiens ] |
| **Official Symbol** | NDN |
| **Synonyms** | NDN; necdin homolog (mouse); necdin (mouse) homolog; necdin; HsT16328; PWCR; |
| **Gene ID** | 4692 |
| **mRNA Refseq** | NM_002487 |
| **Protein Refseq** | NP_002478 |
| **MIM** | 602117 |
| **Uniprot ID** | Q99608 |

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| **Chromosome Location** | 15q11-q12 |
| **Pathway** | Adipogenesis, organism-specific biosystem; p75(NTR)-mediated signaling, organism-specific biosystem; |
| **Function** | DNA binding; gamma-tubulin binding; |

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