

## Recombinant Human MYCN

Cat. No. MYCN-30409TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment corresponding to amino acids 1-100 of Human n-Myc with a proprietary tag; Predicted MWt 36.63 kDa including tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	100 amino acids
<b>Description</b>	This gene is a member of the MYC family and encodes a protein with a basic helix-loop-helix (bHLH) domain. This protein is located in the nucleus and must dimerize with another bHLH protein in order to bind DNA. Amplification of this gene is associated with a variety of tumors, most notably neuroblastomas.
<b>Molecular Weight</b>	36.630kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequences of amino acids** MPSCSTSTMPGMICKNPDLEFDSLQPCFYDDEDDFYFGGPDSTPPGEDIWKKFELL  
PTPPLSPSRGFAEHSSEPPSWVTEMLLENELWGSPAEEEDAFGLG

**Sequence Similarities** Contains 1 basic helix-loop-helix (bHLH) domain.

## GENE INFORMATION

**Gene Name** MYCN v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian) [ Homo sapiens ]

**Official Symbol** MYCN

**Synonyms** MYCN; v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian); NMYC, v myc avian myelocytomatosis viral related oncogene, neuroblastoma derived; N-myc proto-oncogene protein; bHLHe37; N myc;

**Gene ID** 4613

**mRNA Refseq** NM\_005378

**Protein Refseq** NP\_005369

**MIM** 164840

**Uniprot ID** P04198

**Chromosome Location** 2p24.3

**Pathway** Transcriptional misregulation in cancers, organism-specific biosystem; Transcriptional misregulation in cancers, conserved biosystem;

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**Function**

DNA binding; protein binding; sequence-specific DNA binding transcription factor activity;

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