

# Recombinant Human MYCN Protein (Full length), N-GST-tagged

**Cat. No.** MYCN-35H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human MYCN was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	Full Length
<b>Description</b>	<p>MYCN is a basic helix-loop-helix transcription factor first identified in neuroblastoma and is a member of the MYC proto-oncogene family along with MYCC and MYCL. MYC proteins affect transcription of many genes thus regulating proliferation, metabolism, apoptosis, differentiation and immune surveillance. Ubiquitin-dependent proteasome degradation of MYCN in neural stem/progenitor cells is required for the arrest of proliferation and the start of differentiation. Enhanced USP7 expression is seen in neuroblastoma patients with poorer prognosis due to deubiquitination of MYCN by USP7, thereby preventing degradation of MYCN. Overexpression of MYCN is closely related with high-cancers, early distant metastasis, and poor clinical prognosis.</p>
<b>Molecular Mass</b>	<p>Observed MW: ~95 kDa.            Calculated MW: ~80 kDa.</p>
<b>Purity</b>	The purity of MYCN was determined to be > 85 % by densitometry.

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<b>Stability</b>	One year at -70 centigrade from date of shipment.
<b>Storage</b>	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Concentration</b>	0.1 µg/µL
<b>Storage Buffer</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.
<b>Shipping</b>	Dry ice
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MYCN v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian) [ Homo sapiens (human) ]
<b>Official Symbol</b>	MYCN
<b>Synonyms</b>	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; pp65/67; oncogene NMYC; neuroblastoma MYC oncogene; class E basic helix-loop-helix protein 37; neuroblastoma-derived v-myc avian myelocytomatosis viral related oncogene; v-myc avian myelocytomatosis viral related oncogene, neuroblastoma derived; NMYC; ODED; MODED; N-myc;
<b>Gene ID</b>	4613
<b>mRNA Refseq</b>	NM_005378

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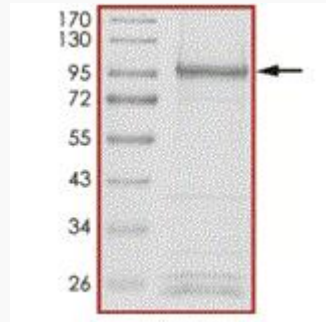
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**Protein Refseq** NP\_005369

**MIM** 164840

**UniProt ID** P04198

**Purity**



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