



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### MYCN (Human) Recombinant Protein (P01)

**Catalog Number:** H00004613-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human MYCN full-length ORF ( NP\_005369.2, 1 a.a. - 464 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MPSCSTSTMPGMICKNPDLEFDSLQPCFYDDEDFYF  
GGPDSTPPGEDIWKKFELLPTPLSPSRGFAEHSSEP  
PSWVTEMLLENELWGSPAEEAFGLGGLGGLTPNPVI  
LQDCMWSGFSAREKLERAVSEKLGHRGPPTAGSTA  
QSPGAGAASPAGRGHGGAAGAGRAGAALPAELAHPA  
AECVDPVAVVFPFPVKNREPAPVPAAPASAPAAGPAVA  
SGAGIAAPAGAPGVAPPRPGGRQTSGGDHKALSTSG  
EDTLSDSDEDEDEEEDEEEEDIVVTVEKRRSSSNTKA  
VTTFTITVRPKNAALGPGRAQSSELILKRCLPIHQHNY  
AAPSPYVESEDAPPQKKIKSEASPRPLKSVIPPKAKSL  
SPRNSDSEDSERRRNHNILRQRRLDLRSSFLTLRDH  
VPELVKNEKAAKVILKATEYVHSLQAEHQLLLEKE  
KLQARQQQLLKIEHARTC

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 76

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4613

**Gene Symbol:** MYCN

**Gene Alias:** MODED, N-myc, NMYC, ODED, bHLHe37

**Gene Summary:** 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. [provided by RefSeq]

**References:**

1. Novel pharmacodynamic biomarkers for MYCN protein and PI3K/AKT/mTOR pathway signaling in children with neuroblastoma. Smith JR, Moreno L, Heaton SP, Chesler L, Pearson ADJ, Garrett MD. *Molecular Oncology*. 2015 Nov 19. [Epub ahead of print]
2. NCYM promotes calpain-mediated Myc-nick production in human MYCN-amplified neuroblastoma cells. Shoji W, Suenaga Y, Kaneko Y, Islam SMR, Alagu J, Yokoi S, Nio M, Nakagawara A. *Biochemical and Biophysical Research Communications*. 2015 Jun. 5; 461(3):501.
3. NCYM, a Cis-Antisense Gene of MYCN, Encodes a De Novo Evolved Protein That Inhibits GSK3? Resulting in the Stabilization of MYCN in Human Neuroblastomas. Suenaga Y, Islam SM, Alagu J, Kaneko Y, Kato M, Tanaka Y, Kawana H, Hossain S, Matsumoto D, Yamamoto M, Shoji W, Itami M, Shibata T, Nakamura Y, Ohira M, Haraguchi S, Takatori A, Nakagawara A *PLoS Genet*. 2014 Jan;10(1):e1003996. doi: 10.1371/journal.pgen.1003996. Epub 2014 Jan 2.