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Datasheet for ABIN1311728

MYCN Protein (AA 1-464) (GST tag)

1 Image

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Overview

Quantity:	10 µg
Target:	MYCN
Protein Characteristics:	AA 1-464
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYCN protein is labelled with GST tag.
Application:	ELISA, Western Blotting (WB), Affinity Purification (AP), Antibody Array (AA)

Product Details

Purpose:	MYCN (Human) Recombinant Protein (P01)
Sequence:	<p>MPSCSTSTMP GMICKNPDLE FDSLQPCFYD DEDDFYFGGP DSTPPGEDIW KKFELLPTTP</p> <p>LSPSRGFAEH SSEPPSWVTE MLLENELWGS PAEEDAFGLG GLGGLTPNPV ILQDCMWSGF</p> <p>SAREKLERAV SEKLQHGRGP PTAGSTAQSP GAGAASPAGR GHGGAAGAGR AGAALPAELA</p> <p>HPAAECVDPA VVFPFPVNR EPAPVPAAPA SAPAAGPAVA SGAGIAAPAG APGVAPPRPG</p> <p>GRQTSGGDHK ALSTSGEDTL SDSDDDEDEE EDEEEEIDVV TVEKRRSSSN TKAVTTFTIT</p> <p>VRPKNAALGP GRAQSSELIL KRCLPIHQH NYAAPSPYVE SEDAPPQKKI KSEASRPLK</p> <p>SVIPPKAKSL SPRNSDESDS ERRRNHNILE RQRRNDRSS FLTLRDHVPE LVKNEKAAKV</p> <p>VILKKATEYV HSLQAEHQL LLEKEKLRAR QQQLLKKIEH ARTC</p>
Characteristics:	Human MYCN full-length ORF (NP_005369.2, 1 a.a. - 464 a.a.) recombinant protein with GST-tag at N-terminal.

Product Details

Purification: in vitro wheat germ expression system

Target Details

Target: MYCN

Alternative Name: MYCN ([MYCN Products](#))

Background: Full Gene Name: v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)
Synonyms: MODED,N-myc,NMYC,ODED,bHLHe37

Gene ID: 4613

NCBI Accession: [NM_005378](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Preparation method: in vitro, wheat germ expression system
Product Quality tested by: 12.5% SDS-PAGE Stained with Coomassie Blue.

Restrictions: For Research Use only

Handling

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

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -80 °C

Storage Comment: Best use within three months from the date of receipt of this protein.

Publications

Product cited in: Cheng, He, Chen, Cai, Gu, Pan, Duan, Wu, Wu: "P300 Interacted With N-Myc and Regulated Its Protein Stability via Altering Its Post-Translational Modifications in Neuroblastoma." in: **Molecular & cellular proteomics : MCP**, Vol. 22, Issue 3, pp. 100504, (2023) ([PubMed](#)).

Smith, Moreno, Heaton, Chesler, Pearson, Garrett: "Novel pharmacodynamic biomarkers for MYCN protein and PI3K/AKT/mTOR pathway signaling in children with neuroblastoma." in: **Molecular oncology**, (2015) ([PubMed](#)).

Suenaga, Islam, Alagu, Kaneko, Kato, Tanaka, Kawana, Hossain, Matsumoto, Yamamoto, Shoji, Itami, Shibata, Nakamura, Ohira, Haraguchi, Takatori, Nakagawara: "NCYM, a Cis-antisense gene of MYCN, encodes a de novo evolved protein that inhibits GSK3 β resulting in the stabilization of MYCN in human neuroblastomas." in: **PLoS genetics**, Vol. 10, Issue 1, pp. e1003996, (2014) ([PubMed](#)).

Smith, Womack: "A matrix approach to guide IHC-based tissue biomarker development in oncology drug discovery." in: **The Journal of pathology**, Vol. 232, Issue 2, pp. 190-8, (2013) ([PubMed](#)).

Images

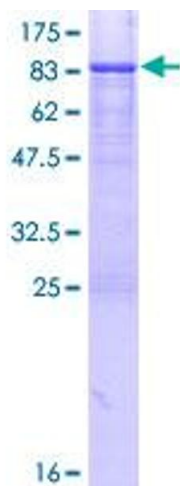


Image 1.