

# Recombinant Human MYPN Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MYPN-797H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | MYPN MS Standard C13 and N15-labeled recombinant protein (NP_115967) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Striated muscle in vertebrates comprises large proteins which must be organized properly to contract efficiently. Z-lines in striated muscle are a sign of this organization, representing the ends of actin thin filaments, titin, nebulin or nebulin and accessory proteins required for structure and function. This gene encodes a protein which interacts with nebulin in skeletal muscle or nebulin in cardiac muscle and alpha-actinin. In addition, this gene product can interact with a protein with the I-band indicating it has a regulatory as well as structural function. Alternative splicing results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 145.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | <p>MQDDSIEASTSISQLLRESYLAETRHRGNNSRAEPSSNPCHFGSPSGAAEGGGG</p> <p>QDDLPLDLSAFLSQEELDESVNLARLAINYDPLEKADETQARKRLSPDQMKHSPNLSF</p> <p>EPNFCQDNPRSPSTSSKESPQEAQRPQYCSETQSKKVFLNKAADFIEELSSLFKSHSS</p> <p>KRIRPRACKNHKSKLESQNKVMQENSSSFSDLSERRERSSVPIPIPADTRDNEVNHA</p> <p>LEQQEAKRREAQEAASEAAGGDTTPGSSPSSLYEELPLGQPPRFTQKLRSREVPE</p>                                                                                                                                                                                                                                                                                                                      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GTRVQLDCIVVGIPPPQVRWYCEGKELENSPDIHIVQAGNLHSLTIAEAFEEDTGRYS  
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 SSRSVVEDELTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

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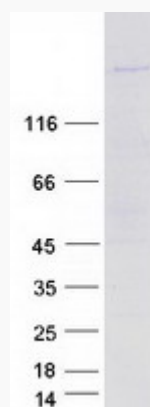
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## GENE INFORMATION

|                        |                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MYPN myopalladin [ Homo sapiens (human) ]                                                                         |
| <b>Official Symbol</b> | MYPN                                                                                                              |
| <b>Synonyms</b>        | MYPN; myopalladin; MYOP; sarcomeric protein myopalladin; 145 kDa; sarcomeric protein myopalladin, 145 kDa (MYOP); |
| <b>Gene ID</b>         | 84665                                                                                                             |
| <b>mRNA Refseq</b>     | NM_032578                                                                                                         |
| <b>Protein Refseq</b>  | NP_115967                                                                                                         |
| <b>MIM</b>             | 608517                                                                                                            |
| <b>UniProt ID</b>      | Q86TC9                                                                                                            |

## SDS-PAGE



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