

## Recombinant Human UNC119 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** UNC119-3048H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | UNC119 MS Standard C13 and N15-labeled recombinant protein (NP_005139) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene is specifically expressed in the photoreceptors in the retina. The encoded product shares strong homology with the <i>C. elegans</i> unc119 protein and it can functionally complement the <i>C. elegans</i> unc119 mutation. It has been localized to the photoreceptor synapses in the outer plexiform layer of the retina, and suggested to play a role in the mechanism of photoreceptor neurotransmitter release through the synaptic vesicle cycle. Two transcript variants encoding different isoforms have been described for this gene. |
| <b>Molecular Mass</b>   | 27 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MKVKKGGGGAGTATESAPGPSGQSVAPIQPPAESESGSESEPDAGPGPRPGPLQ<br>RKQPIGPEDVLGLQRITGDYLCSPREENIYKIDFVRFKIRDMDSGTVLFEIKKPPVSERL<br>PINRRDLDPNAGRFBVRYQFTPAFLRLRQVGATVEFTVGDKPVNNFRMIERHYFRNQ<br>LLKSFDHFHFGFCIPSSKNTCEHIYDFPPLSEELISEMIRHPYETQSDSFYFVDDRLVM<br>HNKADYSYSGTPTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

 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

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <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.                                                    |

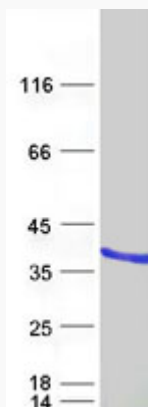
## GENE INFORMATION

|                        |                                                                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | UNC119 unc-119 lipid binding chaperone [ Homo sapiens (human) ]                                                                                                                                                          |
| <b>Official Symbol</b> | UNC119                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | UNC119; unc-119 homolog (C. elegans); unc119 (C.elegans) homolog; protein unc-119 homolog A; HRG4; POC7; POC7 centriolar protein homolog A (Chlamydomonas); POC7A; retinal protein 4; POC7 centriolar protein homolog A; |
| <b>Gene ID</b>         | 9094                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>     | NM_005148                                                                                                                                                                                                                |
| <b>Protein Refseq</b>  | NP_005139                                                                                                                                                                                                                |
| <b>MIM</b>             | 604011                                                                                                                                                                                                                   |
| <b>UniProt ID</b>      | Q13432                                                                                                                                                                                                                   |

 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

**SDS-PAGE**

 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