

## Recombinant Human STMN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** STMN2-4029H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | STMN2 MS Standard C13 and N15-labeled recombinant protein (NP_008960) 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 encodes a member of the stathmin family of phosphoproteins. Stathmin proteins function in microtubule dynamics and signal transduction. The encoded protein plays a regulatory role in neuronal growth and is also thought to be involved in osteogenesis. Reductions in the expression of this gene have been associated with Down's syndrome and Alzheimer's disease. Alternatively spliced transcript variants have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 6. |
| <b>Molecular Mass</b>   | 20.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MAKTAMAYKEKMKELSMLESLICSCFYPEPRNINIYTYDDMEVKQINKRASGQAFELIL<br>KPPSPISEAPRTLASPKKKDLSLEEQKKLEAAEERRKSQEAQVLKQLAEKREHERE<br>VLQKALEENNNFSKMAEEKLILKMEQIKENREANLAAIERLQEKERHAAEVRNREL<br>QVELSGTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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

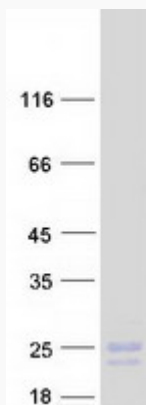
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | STMN2 stathmin-like 2 [ Homo sapiens (human) ]                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | STMN2                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | STMN2; stathmin-like 2; SCGN10; stathmin-2; SCG10; superior cervical ganglion-10 protein; neuron-specific growth-associated protein; superior cervical ganglia, neural specific 10; neuronal growth-associated protein (silencer element); FLJ34868; FLJ50995; |
| <b>Gene ID</b>         | 11075                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | NM_007029                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_008960                                                                                                                                                                                                                                                      |
| <b>MIM</b>             | 600621                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | Q93045                                                                                                                                                                                                                                                         |

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**SDS-PAGE**

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