

# Recombinant Human SEPTIN8 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SEPTIN8-1636H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SEPT8 MS Standard C13 and N15-labeled recombinant protein (NP_001092283) 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 a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse, and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| <b>Molecular Mass</b>   | 43.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MNTLFNTTFETEEASHHEACVRLRPQTYDLQESNVQLKLTIVDAVGFGDQINKDESY<br>RPIVDYIDAQFENYLQEELKIRRS�FDYHDTRIHVCLYFITPTGHSLSLDLVTMKKLD<br>SKVNIPIIAKADTISKSELHKFKIKIMGELVSNQVQIYQFPTDDEAVAEINAVMNAHLPF<br>AVVGSTEEVKVGNKLVRRARQYPWGVVQVENENHCDFVKLREMLIRVNMEDLREQT<br>HSRHYELYRRCKLEEMGFQSDGDSQPFSLQETYEAKRKEFLSELQRKEEEMRQM<br>FVNKVKETELELKEKERELHEKFEHLKRVHQEEKRKVEEKRRELEEETNAFNRRKAA<br>VEALQSQUALHATSQQPLRKDKDKKNTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                      |

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

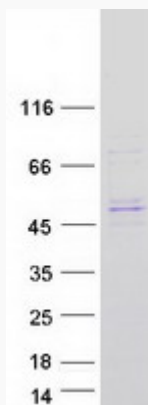
## GENE INFORMATION

|                        |                                                    |
|------------------------|----------------------------------------------------|
| <b>Gene Name</b>       | SEPTIN8 septin 8 [ Homo sapiens (human) ]          |
| <b>Official Symbol</b> | SEPTIN8                                            |
| <b>Synonyms</b>        | SEPTIN8; septin 8; SEP2; SEPT8; septin-8; KIAA0202 |
| <b>Gene ID</b>         | 23176                                              |
| <b>mRNA Refseq</b>     | NM_001098813                                       |
| <b>Protein Refseq</b>  | NP_001092283                                       |
| <b>MIM</b>             | 608418                                             |
| <b>UniProt ID</b>      | Q92599                                             |

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**SDS-PAGE**

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