# Recombinant Human SEPTIN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SEPTIN1-6704H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | SEPT1 MS Standard C13 and N15-labeled recombinant protein (NP_443070) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | This gene is a member of the septin family of GTPases. Members of this family are required for cytokinesis and the maintenance of cellular morphology. This gene encodes a protein that can form homo- and heterooligomeric filaments, and may contribute to the formation of neurofibrillary tangles in Alzheimer's disease. Alternatively spliced transcript variants have been found but the full-length nature of these variants has not been determined. |
| **Molecular Mass** | 42 kDa |
| **AA Sequence** | MDKEYVGFAALPNQLHRKSVKKGFDFTLMVAGESGLGKSTLINSLFLTNLYEDRQVP EASARLTQTLAIERRGVEIEEGGVKVKLTLVDTPGFGDSVDCSDCWLPVVKFIEEQF EQYLRDESGLNRKNIQDSRVHCCLYFISPFGRGLRPLDVAFLRAVHEKVNIIPVIGKA DALMPQETQALKQKIRDQLKEEEIHIYQFPECDSDEDEDFKRQDAEMKESIPFAVVG SCEVVRDGGNRPVRGRRYSWGTVEVENPHHCDFLNLRRMLVQTHLQDLKEVTHDL LYEGYRARCLQSLARPGARDRASRSKLSRQSATEIPLPMLPLADTEKLIREKDEELR RMQEMLEKMQAQMQQSQAQGEQSDALTRTRPLEQKLISEEDLAANDILDYKDDDD |

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

## GENE INFORMATION

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| **Gene Name** | SEPTIN1 septin 1 [ Homo sapiens (human) ] |
| **Official Symbol** | SEPTIN1 |
| **Synonyms** | SEPTIN1; septin 1; LARP; SEP1; DIFF6; SEPT1; PNUTL3; septin-1; differentiation 6 (deoxyguanosine triphosphate triphosphohydrolase); peanut-like protein 3; serologically defined breast cancer antigen NY-BR-24; EC 3.1.5.1 |
| **Gene ID** | 1731 |
| **mRNA Refseq** | NM_052838 |
| **Protein Refseq** | NP_443070 |
| **MIM** | 612897 |

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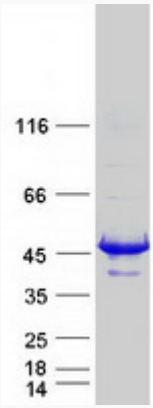
| **UniProt ID** | Q8WYJ6 |
| **SDS-PAGE** |  |



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