

# Recombinant Human SEPTIN6 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SEPTIN6-2235H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SEPT6 MS Standard C13 and N15-labeled recombinant protein (NP_665798) 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 GTPases. Members of this family are required for cytokinesis. One version of pediatric acute myeloid leukemia is the result of a reciprocal translocation between chromosomes 11 and X, with the breakpoint associated with the genes encoding the mixed-lineage leukemia and septin 2 proteins. This gene encodes four transcript variants encoding three distinct isoforms. An additional transcript variant has been identified, but its biological validity has not been determined. |
| <b>Molecular Mass</b>   | 48.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MAATDIARQVGEGCRTVPLAGHVGFDSPDQLVNKSVSQGFCFNILCVGETGLGKS<br>TLMDTLFNTKFEGEPATHHTQPGVQLQSNTYDLQESNVRLKLTIVSTVGFGDQINKED<br>SYKPIVEFIDAQFEAYLQEELKIRRVLHTYHDSRIHVCLYFIAPTGHSLKSLDLVTMKKL<br>DSKVNIPIIAKADAISKSELTKFKIKITSELVSNGVQIYQFPTDDESVAEINGTMNAHLP<br>FAVIGSTEELKIGNKMMRRARQYPWGTQVQVNEAHCDFVKLREMLIRVNMEDLREQT<br>HTRHYELYRRCKLEEMGFKDTPDPSKPFSLQETHEAKRNEFLGELQKKEEEMRQM                                                                                                                                                          |

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FVQRVKEKEAELKEAEKELHEKFDRLKKLHQDEKKKLEDKKKSLDDEVNAFKQRKT  
AAELLQSQGSQAGGSQTLKRDKEKKNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| <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

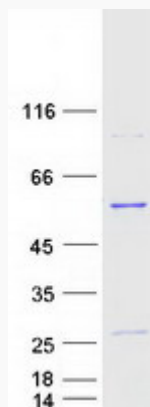
|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| <b>Gene Name</b>       | SEPTIN6 septin 6 [ Homo sapiens (human) ]                 |
| <b>Official Symbol</b> | SEPTIN6                                                   |
| <b>Synonyms</b>        | SEPTIN6; septin 6; SEP2; SEPT2; SEPT6; septin-6; septin 2 |
| <b>Gene ID</b>         | 23157                                                     |
| <b>mRNA Refseq</b>     | NM_145799                                                 |
| <b>Protein Refseq</b>  | NP_665798                                                 |
| <b>MIM</b>             | 300683                                                    |
| <b>UniProt ID</b>      | Q14141                                                    |

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## SDS-PAGE



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