

# Recombinant Human SEPT7 Protein (2-437 aa), His-tagged

**Cat. No.** SEPT7-1657H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SEPT7 Protein (2-437 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cell Biology. Protein Description: Full Length of Mature Protein.                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 2-437 aa                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Filament-forming cytoskeletal GTPase. Required for normal organization of the actin cytoskeleton. Required for normal progress through mitosis. Involved in cytokinesis. Required for normal association of CENPE with the kinetochore. Plays a role in ciliogenesis and collective cell movements.                                                                    |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 52.5 kDa                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | SVSARSAAAEERSVNSSTMVAQQKNLEGYVGAFANLPNQVYRKSVKRGFEFTLMVV<br>GESGLGKSTLINSFLTDLYSPEYPGSPSHRIKKTQVEQSKVLIKEGGVQLLLTIVDTP<br>GFGDAVDNSNCWQPVIDYIDSKFEDYLNESRVNRRQMPDNRVQCCLYFIAPSGH<br>GLKPLDIEFMKRLHEKVNIPLIAKADTLTPEECQQFKKQIMKEIQEHKIKIYEFPETDD<br>EEENKLVKKIKDRLPLAVVGSNTIIEVNGKRVGRQYPWGVAEVENGEHCDFITLRN<br>MLIRTHMQDLKDVTNNVHYENYRSRKLAAVTYNGVDNNKNKGQLTKSPLAQMEEE |

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|                      |                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | RREHVAKMKKMEMEMEQVFEMKVKEKVQKLKDSEAEQRRHEQMCKKNLEAQHKE<br>LEEKRRQFEDEKANWEAQQRILEQQNSSRTLEKNKKKGKIF                                                                                                                                                                                                                 |
| <b>Purity</b>        | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                                                                                                                  |

## GENE INFORMATION

|                        |                                 |
|------------------------|---------------------------------|
| <b>Gene Name</b>       | SEPT7 septin 7 [ Homo sapiens ] |
| <b>Official Symbol</b> | SEPT7                           |
| <b>Synonyms</b>        | CDC3; CDC10; SEPT7A; NBLA02942; |
| <b>Gene ID</b>         | 989                             |
| <b>mRNA Refseq</b>     | NM_001788.5                     |
| <b>Protein Refseq</b>  | NP_001779.3                     |
| <b>MIM</b>             | 603151                          |

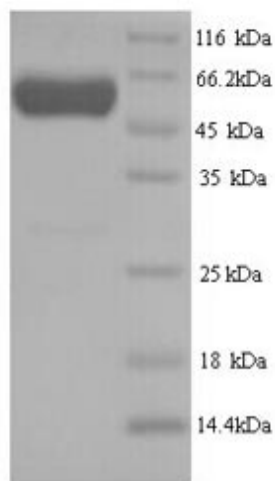
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UniProt ID

Q16181



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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