

## Product datasheet for TP305163M

### SEPTIN7 (NM\_001788) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human septin 7 (SEPT7), transcript variant 1, 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC205163 protein sequence

**Clone or AA** **Red**=Cloning site **Green**=Tags(s)

**Sequence:**

MAQQKNLEGYVGFANLPNQVYRKSVKRGFEFTLMVVGESGLGKSTLINSFLTDLYSPEYPGPSHRIKKT  
VQVEQSKVLIKEGGVQLLLITVDTPGFGDAVDNSNCWQPVIDYIDSKFEDYLNESRVNRRQMPDNRVQC  
CLYFIAPSGHGLKPLDIEFMKRLHEKVNIIPLIAKADTLTPEECQQFKKQIMKEIQEHKIKIYEFPETDD  
EEENKLVKKIKDRLPLAVVGSNTIIEVNGKRVGRQYPWGVAEVENGEHCDFILRNLIRTHMQDLKDV  
TNNVHYENYRSRKLAAVTYNGVDNKNKGQLTKSPLAQMEERREHVAKMKMEMEMEQVFEMKVKEKVQ  
KLKDSEAEQRREHEQMKNLEAQHKELEEKRRQFEDEKANWEAQQRILEQQNSSRTLEKNKKKGGKIF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 50.5 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001779](#)

**Locus ID:** 989

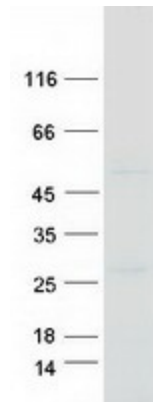


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UniProt ID:	<a href="#">Q16181</a>
RefSeq Size:	4380
Cytogenetics:	7p14.2
RefSeq ORF:	1254
Synonyms:	CDC3; CDC10; NBLA02942; SEPT7; SEPT7A

**Summary:** This gene encodes a protein that is highly similar to the CDC10 protein of *Saccharomyces cerevisiae*. The protein also shares similarity with Diff 6 of *Drosophila* and with H5 of mouse. Each of these similar proteins, including the yeast CDC10, contains a GTP-binding motif. The yeast CDC10 protein is a structural component of the 10 nm filament which lies inside the cytoplasmic membrane and is essential for cytokinesis. This human protein functions in gliomagenesis and in the suppression of glioma cell growth, and it is required for the association of centromere-associated protein E with the kinetochore. Alternative splicing results in multiple transcript variants. Several related pseudogenes have been identified on chromosomes 5, 7, 9, 10, 11, 14, 17 and 19. [provided by RefSeq, Jul 2011]

### Product images:



Coomassie blue staining of purified SEPTIN7 protein (Cat# [TP305163]). The protein was produced from HEK293T cells transfected with SEPTIN7 cDNA clone (Cat# [RC205163]) using MegaTran 2.0 (Cat# [TT210002]).