

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

Cat. No. GMNN-3132H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMNN MS Standard C13 and N15-labeled recombinant protein (NP_056979) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that plays a critical role in cell cycle regulation. The encoded protein inhibits DNA replication by binding to DNA replication factor Cdt1, preventing the incorporation of minichromosome maintenance proteins into the pre-replication complex. The encoded protein is expressed during the S and G2 phases of the cell cycle and is degraded by the anaphase-promoting complex during the metaphase-anaphase transition. Increased expression of this gene may play a role in several malignancies including colon, rectal and breast cancer. Alternatively spliced transcript variants have been observed for this gene, and two pseudogenes of this gene are located on the short arm of chromosome 16.
Molecular Mass	23.6 kDa
AA Sequence	MNPSMKQKQEEIKENIKNSSVPRRTLKMIQPSASGSLVGRENELSAGLSKRKHRND HLTSTTSSPGVIVPESSKNLGGVTQESFDLMIKENPSSQYWKEVAEKRRKALYEA LKENEKLHKEIEQKDNEIARLKKENKELAEVAEHVQYMAELIERLNGEPLDNFESLDN QEFDSEEETVEDSLVEDSEIGTCAEGTVSSSTDAKPCITRTRPLEQKLISEEDLAANDI

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LDYKDDDDKV

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

Gene Name [GMNN geminin DNA replication inhibitor \[Homo sapiens \(human\) \]](#)

Official Symbol [GMNN](#)

Synonyms GMNN; geminin, DNA replication inhibitor; geminin; Gem;

Gene ID [51053](#)

mRNA Refseq [NM_015895](#)

Protein Refseq [NP_056979](#)

MIM [602842](#)

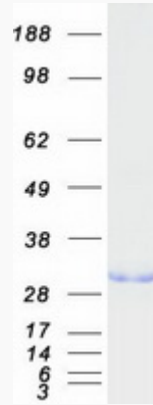
UniProt ID [O75496](#)

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SDS-PAGE



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