

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 HLTSTTSSPGVIVPESENKNLGGVTQESFDLMIKENPSSQYWKEVAEKRRKALYEA 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.

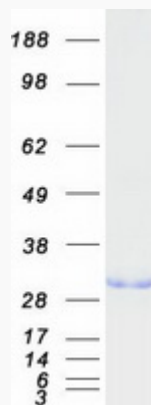
GENE INFORMATION

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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