Recombinant Full Length Human GMNN Protein, GST-tagged

Cat. No. GMNN-5413HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GMNN full-length ORF (NP_056979.1, 1 a.a. - 209 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	209 amino acids
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. [provided by RefSeq, Oct 2011]
Molecular Mass	50 kDa
AA Sequence	MNPSMKQKQEEIKENIKNSSVPRRTLKMIQPSASGSLVGRENELSAGLSKRKHRND HLTSTTSSPGVIVPESSENKNLGGVTQESFDLMIKENPSSQYWKEVAEKRRKALYEA LKENEKLHKEIEQKDNEIARLKKENKELAEVAEHVQYMAELIERLNGEPLDNFESLDN

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	QEFDSEEETVEDSLVEDSEIGTCAEGTVSSSTDAKPCI
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GMNN geminin, DNA replication inhibitor [Homo sapiens]
Official Symbol	GMNN
Synonyms	GMNN; geminin, DNA replication inhibitor; geminin; Gem;
Gene ID	51053
mRNA Refseq	NM_001251989
Protein Refseq	NP_001238918
MIM	602842
UniProt ID	O75496

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