

Recombinant Human Geminin, DNA Replication Inhibitor, His-tagged

Cat. No. GMNN-353H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GMNN protein expressed in E.coli, 27.6kDa (245aa).
Species	Human
Source	E.coli
Description	Recombinant human, Geminin is a 25 kDa protein, which inhibits DNA replication and is degraded during the mitotic phase of the cell cycle. Geminin controls replication by binding to the licensing factor Cdt1, and is involved in neural differentiation. In addition, geminin directly interacts with Six3 and Hox homeodomain proteins during embryogenesis and inhibits their functions.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 100 mM NaCl, 5 mM DTT, 20% glycerol.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNPS MKQK QE EIK E NIKNSSVPRR TLKMIQPSAS GSLVGRENEL SAGLSKRKHR NDHLTS T TSS PGVIVPESS NKNLGGVTQE SFDLMIKENP SSQYWKEVAE KRRKALY EAL KENEKLHKEI EQKDNEIARL KKENKELAEV AEHVQYMAEL IERLNGEP LD NFESLDNQEF DSEETVEDS LVEDSEIGTC AEGTVSSSTD AKPCI

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

GMNN geminin, DNA replication inhibitor [Homo sapiens]

Synonyms

GMNN; Gem; RP3-369A17.3; geminin; OTTHUMP00000039393; geminin, DNA replication inhibitor.

Gene ID

51053

mRNA Refseq

NM_015895

Protein Refseq

NP_056979

MIM

602842

UniProt ID

O75496

**Chromosome
Location**

6p22.3

Function

protein binding

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PDB rendering based
on 1t6f. Available
structures: 1t6f, 1uii

