

## Product datasheet for AR09030PU-L

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OriGene Technologies, Inc.

## **Geminin (His-tag) Human Protein**

**Product data:** 

**Product Type: Recombinant Proteins** 

**Description:** Geminin (His-tag) human recombinant protein, 0.5 mg

Species: Human E. coli **Expression Host:** 

**Expression cDNA Clone** 

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNPS MKQKQEEIKE NIKNSSVPRR or AA Sequence: TLKMIQPSAS GSLVGRENEL SAGLSKRKHR NDHLTSTTSS PGVIVPESSE NKNLGGVTQE

SFDLMIKENP SSQYWKEVAE KRRKALYEAL KENEKLHKEI EQKDNEIARL KKENKELAEV

AEHVQYMAEL IERLNGEPLD NFESLDNQEF DSEEETVEDS LVEDSEIGTC AEGTVSSSTD AKPCI

Tag: His-tag Predicted MW: 27.7 kDa

**Concentration:** lot specific

>85% by SDS PAGE **Purity:** 

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl, 20% glycerol

Preparation: Liquid purified protein

**Protein Description:** Recombinant His-tagged human Geminin

Store (in aliquots) at -20°C. Avoid repeated freezing and thawing. Storage:

Stability: Shelf life: one year from despatch.

NP 001238918 RefSeq:

Locus ID: 51053

UniProt ID: 075496, A0A024QZY7

Cytogenetics: 6p22.3

Synonyms: Gem; MGORS6



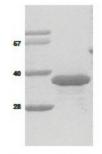
**Summary:** 

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]

**Protein Families:** 

Druggable Genome, Stem cell - Pluripotency

## **Product images:**



15% SDS-PAGE