

## Product datasheet for **AR09030PU-L**

### Geminin (His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Geminin (His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNPS MKQKQEEIKE NIKNSSVPRR TLKMIQPSAS GSLVGRENEL SAGLSKRKHR NDHLTSTTSS PGVIVPESE NKNLGGVTQE SFDLMIKENP SSQYWKEVAE KRRKALYEAL KENEKLHKEI EQKDNEIARL KKENKELAEV AEHVQYMAEL IERLNGEPLD NFESLDNQEF DSEETVEDS LVEDSEIGTC AEGTVSSSTD AKPCI
Tag:	His-tag
Predicted MW:	27.7 kDa
Concentration:	lot specific
Purity:	>85% by SDS PAGE
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
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001238918</a>
Locus ID:	51053
UniProt ID:	<a href="#">O75496</a> , <a href="#">A0A024QZY7</a>
Cytogenetics:	6p22.3
Synonyms:	Gem; MGORS6



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**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:**