

Geminin, Human, Recombinant, His- tagged, E.coli

Cat.NO.: TP02227

3th Edition

Synonyms:GMNN

Description: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 8.0) containing 100mM NaCl, mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl,

Molecular Weight:27.6kDa (245aa), confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMNPSMKQKQEEIKENIKNSSVPRRTLKMIQPSASGSL
VGRENELSAGLSKRKHRNDHLTSTTSSPGVIVPESENKNLGGVTQESFDLMIKENPSSQYWKEVAEKRRKALYEA
LKENEKLHKEIEQKDNEIARLKKENKELAEVAEHVQYMAELIERLNGEPLDNFESLDNQEFDSEEETVEDSLVEDSEI
GTCAEGTVSSSTDAKPCI

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.