Geminin Coiled-Coil Domain-Containing Protein 1 (GMNC) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Geminin coiled-coil domain-containing protein 1 (Gmnc), Recombinant Protein
Full Product Name	Recombinant Mouse Geminin coiled-coil domain-containing protein 1 (Gmnc)
Product Gene Name	Gmnc recombinant protein
Product Synonym Gene Name	Gmnc
Sequence	MNSILPCQDQ YFVGGQSYNC PYSTTTSESG VDVSKETWVS FWAAGLLDNT ELQQAPQVLE SPSELSFPVL DSCSWEEAQL SSQLYRNKQL QDTLLQKEEE LARLHEENNH LRQYLNSTLV KRLEEKAKKL LSSDEFSKVF GKLRKEKRKP KEHRHSPAEI PQFKTAKRNL STEFSNCEEQ PGPHVDPWVL QTLGLKDLNT IDDTLPANYS ATTSHPRAVP SISSLFVHDA NGYANVPRDL HLDYVGQGTH GSHTTSIHQE DCHSFPRLSN PPVRVQTLPY HTADVSPNKT EMAFSTSLSP HCNVKTHSFH QGQAFVRRDE EGGWKFTWVP KQT
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	33,237 Da
Sequence Positions	1-333, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q3URY2
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Gmnc recombinant protein	MBS1340138 is a recombinant protein targeting Gmnc. Also known as Recombinant Mouse Geminin coiled-coil domain-containing protein 1 (Gmnc). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Gmnc recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Gmnc. It may not necessarily be applicable to this product.

NCBI GI #	71274117
NCBI GeneID	239789
NCBI Accession #	NP_001013783.1
UniProt Primary Accession #	Q3URY2
UniProt Secondary Accession #	Q3TUK3; Q5RJG4

UniProt Related Accession #	Q3URY2
GenBank Nucleotide #	NM_001013761.2
NCBI Official Full Name	geminin coiled-coil domain-containing protein 1 isoform 1
NCBI Official Synonym Full Names	geminin coiled-coil domain containing
NCBI Official Symbol	Gmnc
NCBI Official Synonym Symbols	Gemc1; Gm606; Gm1778
UniProt Protein Name	Geminin coiled-coil domain-containing protein 1
Protein Family	Geminin coiled-coil domain-containing protein
UniProt Gene Name	Gmnc
UniProt Synonym Gene Names	Gemc1; Gm606
NCBI Protein Information	geminin coiled-coil domain-containing protein 1
UniProt Comments for Gmnc	Regulator of DNA replication. Promotes initiation of chromosomal DNA replication by mediating TOPBP1- and CDK2-dependent recruitment of CDC45L onto replication origins ().
Research Articles on Gmnc	**1.** The authors found that GEMC1-deficient mice are growth impaired, develop hydrocephaly with a high penetrance, and are infertile, due to defects in the formation of multiciliated cells in the brain, respiratory tract, and germline.
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