

Product datasheet for TP317516M

Gemin 5 (GEMIN5) (NM_015465) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human gem (nuclear organelle) associated protein 5 (GEMIN5), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC217516 representing NM_015465
Red=Cloning site Green=Tags(s)

MGQEPRTLPPSPNWYCARCSDAVPGGLFGFAARTSVFLVRVGPAGESPPTPPFRVIGELVGHATERVSGF
 TFSHHPGQYNLCATSSDDGTVKIWDVETKTWVTEHALHQHTISTLHWSPRVKDLIVSGDEKGVWFCYWFN
 RNDSQHLFIEPRTIFCLTCSPHHEDLVAIGYKDGIVIIDISKKGEVIHRLRGHDDEIHSIAWCPLPGED
 CLSINQEETSEEAITNGNAVAQAPVTKGCYLATGSKDQTIRIWSCSRGRGMILKLPFLKRRGGGIDPT
 VKERLWLTLHWPSNQPTQLVSSCFGGELLQWDLTQSWRRKYTLFASSEGGQNHSRVFNLCPLQTEDDKQ
 LLLSTSMDRDVKCDIATLECSWTLPSLGGFAYSLSAFSSVDIGSLAIGVGDGMIRVWNTLSIKNNYDVKN
 FWQGVKSKVTALCWHPKTEGCLAFGTDDGKVLGYDYSNKPPQISSTYHKKTVYTLAWGPPVPPMSLGG
 GDRPSALYSCGGEGIVLQHPWKLSGEAFDINKLIRDNTSIKYKLPVHTEISWKADGKIMALGNEDGSI
 EIFQIPNLKLICTIQQHHKLVNTISWHHEHGSQPELSYLMASGSNNAVIYVHNLKTVIESSPESPTITE
 PYRTLSTGHTAKITVAWSPHHDGRLVSASYDGTAAQVWDALREEPLCNFRGHRGRLLCVAWSPLDPDCIYS
 GADDFCVHKWLTSMQDHSRPPQGKKSIELEKKRSLQPKAKPKKKKPTLRTPVKLESIDGNEEESMKENS
 GPVENGVSDQEGEEQAREPELPCGLAPAVSREPVICTPVSSGFESKVTINNKVILLKKEPPKEKPETLI
 KKRKARSLPLSTSLDHRKEELHQDCLVLATAKHSRELNEDVSADVEERFHLGLFTDRATLYRMIDIEG
 KGHLENGHPELFHQLMLWKDGLKGVLTAAERGELTDNLVAMAPAAGYHVWLWAVEFAKQLCFQDQYVK
 AASHLLSIHKVYEAVELLKSNHFYREAIKARLRPEDPVLKDLYLSWGTVLERDGHYAVAACYLKAT
 CAYDAAKVLAKKGDAAASLRTAELAAIVGEDELSASALRCAQELLANNWVGAQEALQLHESLQGRQLV
 FCLLELLSRHLEEKQLSEKSSSYHTWNTGTEGPFVERVTAVWKSIFSLDTPQYQEAQKQLQNIKYP
 ATNNTPAKQLLLHICHDLTLAVLSQQMASWDEAVQALLRAVRSYDSGSFTIMQEVYSAFLPDGCDHLRD
 KLGDHQSPATPAFKSLEAFFLYGRLYEFWWSLRPCPNSSVWVRAGHRTLSVEPSQQLDTASTEETDPET
 SQPEPNRPELDLRLTEGERMLSTFKELFSEKHASLQNSQRTVAEVQETLAEMIRQHQSQQLCKSTANG
 PDKNEPEVEAEQPLCSSQSQCKEEKNEPLSLPELTKRLTEANQRMKFPESIKAWPFPDVLECCLVLLLI
 RSHFPGCLAQEMQQAQELLQKYGNTKYRRHCQTFM

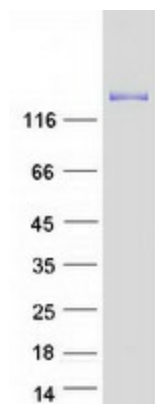
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK



[View online »](#)

Predicted MW:	168.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Pull-down assay (PMID: 27507887)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_056280
Locus ID:	25929
UniProt ID:	Q8TEQ6 , Q58EZ8
RefSeq Size:	4527
Cytogenetics:	5q33.2
RefSeq ORF:	4524
Synonyms:	GEMIN-5; NEDCAM
Summary:	This gene encodes a WD repeat protein that is a component of the survival of motor neurons (SMN) complex. The SMN complex plays a critical role in mRNA splicing through the assembly of spliceosomal small nuclear ribonucleoproteins (snRNPs), and may also mediate the assembly and transport of other classes of ribonucleoproteins. The encoded protein is the snRNA-binding component of the SMN complex. Dysregulation of this gene may play a role in alternative mRNA splicing and tumor cell motility. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]
Protein Families:	Druggable Genome

Product images:

Coomassie blue staining of purified GEMIN5 protein (Cat# [TP317516]). The protein was produced from HEK293T cells transfected with GEMIN5 cDNA clone (Cat# [RC217516]) using MegaTran 2.0 (Cat# [TT210002]).