

## Product datasheet for TP317516L

### 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), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC217516 representing NM\_015465  
Red=Cloning site Green=Tags(s)

MGQEPRTLPPSPNWYCARCSDAVPGGLFGFAARTSVFLVRVGPAGESPPTPPFRVIGELVGHATERVSGF  
 TFSHHPGQYNLCATSSDDGTVKIWDVETKTWVTEHALHQHTISTLHWSPRVKDLIVSGDEKGVWFCYWFN  
 RNDSQHLFIEPRTIFCLTCSPHHEDLVAIGYKDGIVVIDISKKGEVIHRLRGHDDEIHSIAWCPLPGED  
 CLSINQEETSEEAITNGNAVAQAPVTKGCYLATGSKDQTIRIWSCSRGRGMILKLPFLKRRGGGIDPT  
 VKERLWLTLHWPSNQPTQLVSSCFGGELLQWDLTQSWRRKYTLFASSEGQNHSRIVFNLCLPQTEDDKQ  
 LLLSTSMDRDVKCDIATLECSWTLPSLGGFAYS LAFSSVDIGSLAIGVGDGMIRVWNTLSIKNNYDVKN  
 FWQGVKSKVTALCWHPKTEGCLAFGTDDGKVGLYDYSNKPPQISSTYHKKTVYTLAWGPPVPPMSLGGE  
 GDRPSALYSCGGEGIVLQHPWKLSGEAFDINKLIRDTSIKYKLPVHTEISWKADGKIMALGNEDGSI  
 EIFQIPNLKLICTIQQHHKLVNTISWHHEHGSQPELSYLMASGSNNAVIYVHNLKTVIESSPESPTITE  
 PYRTLSGHTAKITSVAWSPHHDGRLVSASYDGTAAQVWDALREEPLCNFRGHRGRLLCVAWSPLDPDCIYS  
 GADDFCVHKWLTSMQDHSRPPQGKKSIELEKKRSLQPKAKPKKKKPTLRTPVKLESIDGNEEESMKENS  
 GPVENGVSDQEGEEQAREPELPCGLAPAVSREPVICTPVSSGFESKVTINNKVILLKKEPPKEKPETLI  
 KKRKARSLPLSTSLDHRSKEELHQDCLVLATAKHSRELNEDVSADVEERFHLGLFTDRATLYRMIDIEG  
 KGHLENGHPELFHQLMLWKGD LKGVLQTA AERGELTDNLVAMAPAAGYHVWLWAVEAFKQLCFQDQYVK  
 AASHLLSIHKVYEAVELLKSNHFYREAI AIAKARLRPEDPVLDLYLSWGTVLERDGHYAVA AKCYLGAT  
 CAYDAAKVLAKKGDAA SLRTAAELAAIVGEDELSASALRCAQELLANNWVGAQEALQLHESLQGQRLV  
 FCLLELLSRHLEEKQLSE GKSSSYHTWNTGTEGPFVERVTAVWKSIFSLDTP EQYQEA FQKLQNIKYP  
 ATNNTPAKQLLLHICHDLTLAVLSQQMASWDEAVQALLRAVRSYDSGSFTIMQEVYSAFLPDGCDHLRD  
 KLGDHQSPATPAFKSLEAFFLYGRLYEFWWSLSRPCPNSSVWVRAGHRTLSVEPSQQLDTASTEETDPET  
 SQPEPNRPELDLRLTEGERMLSTFKELFSEKHASLQNSQRTVAEVQETLAEMIRQH QKSQ LCKSTANG  
 PDKNEPEVEAEQPLCSSQSQC KEEKNEPLSLPELTKRLTEANQRM AKFPESIKAWPFPDVLECCLVLLLI  
 RSHFPGCLAQEMQQQAQELLQKYGN TKYRRHCQTFCM

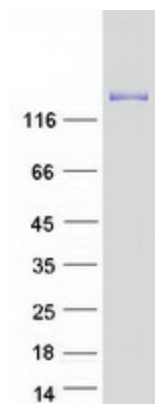
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK



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<b>Predicted MW:</b>	168.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Bioactivity:</b>	Pull-down assay (PMID: <a href="#">27507887</a> )
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_056280</a>
<b>Locus ID:</b>	25929
<b>UniProt ID:</b>	<a href="#">Q8TEQ6</a> , <a href="#">Q58EZ8</a>
<b>RefSeq Size:</b>	4527
<b>Cytogenetics:</b>	5q33.2
<b>RefSeq ORF:</b>	4524
<b>Synonyms:</b>	GEMIN-5; NEDCAM
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).