

Recombinant Human GEMIN5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GEMIN5-5426H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GEMIN5 MS Standard C13 and N15-labeled recombinant protein (NP_056280) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	168.4 kDa
AA Sequence	MGQEPRTLPPSPNWYCARCSDAVPGGLFGFAARTSVFLVRVGPAGESPGTPPFR VIGELVGHTERVSGFTFSHHPGQYNLCATSSDDGTVKIWDVETKTVVTEHALHQHTI STLHWSPRVKDLIVSGDEKGVVFCYWFNRNDSQHLFIEPRTIFCLTCSPHHEDLVAI GYKDGIVVIIDISKKGEVIHRLRGHDDEIHSIAWCPLPGEDCLSINQEETSEEAIEITNGN AVAQAPVTKGCYLATGSKDQTIRIWSCSRGRGVMILKLPFLKRRGGGIDPTVKERLW

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LTLHWPSNQPTQLVSSCFGGELLQWDLTQSWRRKYTLFSASSEGNHRSRIVFNLCP
 LQTEDDKQLLLSTSMRDRVKCWDIATLECSWTLP SLGGFAYSLAFSSVDIGSLAIGV
 GDGMIRVWNTLSIKNNYDVKNFWQGVKSKVTALCWHPTKEGCLAFGTDDGKVGLY
 DTYSNKPPQISSTYHKKT VYTLAWGPPVPPMSLGGEGDRPSLALYSCGGEGIVLQH
 NPWKLSGEAFDINKLIRD TNSIKYKLPVHTEISWKADGKIMALGNEDGSIEIFQIPNLKL
 ICTIQQHHKLVNTISWHHEHGSQPELSYLMASGSNNAVIYVHNLKTVIESSPESPVTIT
 EPYRTLSGHTAKITSVAWSPHHDGRLVSASYDGTAQVWDALREEPLCNFRGHRGR
 LLCVAWSPLDPDCIYSGADDFCVHKWLTSMQDHSRPPQGKKSIELEKKRLSQPKAK
 PKKKKKPTLRTPVKLESIDGNEEESMKENSGPVENGVS DQEGEEQAREPELPCGLA
 PAVSREPVICTPVSSGFESKVTINN KVILLKKEPPKEK PETLIKKRKARSLLPLSTSLD
 HRSKEELHQDCLVLATAKHSRELNEDVSADVEERFHLGLFTDRATLYRMIDIEGKGH
 LENGHPELFHQLMLWKGD LKGVLTAAERGELTDNLVAMAPAAGYHVWLWAVEAF
 AKQLCFQDQYVKAASHLLSIHKVYEAVELLKSNHFYREAIAIAKARLRPEDPVLKDLYL
 SWGTVLERDGHYAVAACYL GATCAYDAAKVLAKKGDAASLR TAAELAAIVGEDEL
 SASLALRCAQELL LANNWVGAQEALQLHESLQGQRLVFCLLELLSRHLEEKQLSEG
 KSSSYHTWNTGTGEPFVERVTAVWKSIFSLDTPEQYQEA FQKLQNIKYP SATNNT
 PAKQLLLHICHDLT L AVLSSQQMASWDEAVQALLRAVVR SYDSGSFTIMQEVYSAFLP
 DGCDHLRDKLGDHQSPATPAFKSLEAFFLYGRLYEFWWSLSRPCPNSSVWVRAGH
 RTL SVEPSQQLDTASTEETDPETSQPEPNRPSELDLRLTEEGERMLSTFKELFSEKH
 ASLQNSQRTVAEVQETLAEMIRQH QKSQ LCKSTANGPDKNEPEVEAEQPLCSSQS
 QCKEEKNEPLSLPELTKRLTEANQRMAKFPESIKAWPFPDVLECCLVLLIRSHFPGC
 LAQEMQQQAQELLQKYGNTKTYRRHCQTFCMTRTRPLEQKLISEEDLAANDILDYK
 DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GEMIN5 gem nuclear organelle associated protein 5 [Homo sapiens (human)]

Official Symbol GEMIN5

Synonyms GEMIN5; gem (nuclear organelle) associated protein 5; gem-associated protein 5; GEMIN-5; MGC142174; DKFZp586M1824;

Gene ID 25929

mRNA Refseq NM_015465

Protein Refseq NP_056280

MIM 607005

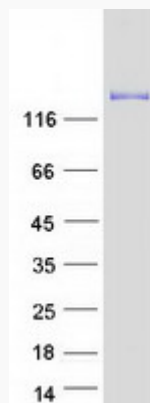
UniProt ID Q8TEQ6

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA