

Product datasheet for **RR210413**

Folh1 (NM_057185) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Folh1 (NM_057185) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Folh1
Synonyms:	Naalad
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210413 representing NM_057185
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGAACGCTCAGCAGGACAGCGACTCCGCGGAGGCCCTGGGACGCCCAACGCTGGTTCTGTGCTG
 GAACACTGGTGTGGCTTTCACCTGGAACCTTCATCATTGGCTTCCTCTTTGGGTGGTTTATAAAACCTC
 CAATGATTCTACTAGCAGTGTTCCTATCCTGGCATGAAGAAGGCATTTTTGCAAGAATTGAAGGCTGAG
 AACATCAAAAAATTTTTATACAATTTACACCGACACCACATTTGGCAGGGACACAACAATTTTGTGAGC
 TTGCAAAGCAAATTCATGCCAGTGAAAGAATTTGGCCTGGATTTGGTTGAGTTATCTGATTATGATGT
 CCTGTTGTCTACCCAAATAAGACCCATCCCACTATATCTCAATAATTAATGAAGATGGAATGAGATT
 TTCAAAACATCATTAGCTGAAGTGCACCCCGGGATATGAGAACATATCAGATGTAGTGCCACCATAACA
 GTGCCCTCTCCACAAGGGACACCAGAGGGGATCTAGTATATGTTAACTATGCACGAAGTGAAGACTT
 CTTTAAACTGGAACGGGTCAAGATCAATTGTTCTGGGAAGATTGTCATCGCCAGATATGGGCAAGTG
 TTCAGAGGAAATAAGGTTAAAAATGCTCAGCTGGCAGGTGCAAAAAGGAATCATTCTGACTCAGACCCTG
 CTGATTACTTTGTTCTGGGGTGAAGTCTATCCAGATGGTTGGAACCTCCCTGGAGGTGGTGTTCAGCG
 TGGAAATGTCTTAAATCTTAATGGTGCAGGTGATCCCCTCACACCAGTTATCCAGCAAATGAATATGCC
 TACAGGCATGAATTCACAGAAGCTGTCGGTCTTCCAAGTATTCCTGTCCATCCAATTGGATATGATGATG
 CACAGAACTATTAGAACATATGGGTGGCTCCGCACCCCTGACAGCAGCTGGAAGGGAGGACTAAAAGT
 GCCTTACAACGTGGGACCTGGCTTTGCTGGAACTTTTCAAAACAAAAGGTCAAGCTGCATTTCACTCC
 TACAATAAAGTGACAAGAATCTACAATGTTATTGGTACCCTCAAAGGAGCTGTGGAACGACAGATATG
 TTATTCTTGGAGGGCACAGAGATGCTTGGGTGTTTGGTGGCATTGACCCTCAGAGTGGAGCAGTGTGT
 TCATGAAATTGTCAGGACCTTTGGAACTCTGAAGAAGAAAGGTTGGAGGCCTAGAAGAATTTTTGTTT
 GCAAGCTGGGATGCTGAAGAATTTGGCCTTCTTGGTTCTACTGAGTGGGACAGGAACTTCAAGACTCT
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 GAAGGCAAATCTCTTTATGACAGCTGGAAGAAAAAGTCTTCAACTGAGTTCATTGGAATGCCAAGGA
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 CCGGTATACTAAAAATTGAAAAACAACAAGTCAGCAGCTATCCTCTCTATCACAGTGTCTATGAAACA
 TACGAATTGGTAGAAAAATCTATGATCCGACATTTAAATATCACCTCACTGTGGCCAGGTTTCGAGGAG
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 GAAACATGCTGAGACTATCTACAACATTTCAATGAATCATCCACAGGAGATGAAGGCGTACATGATATCA
 TTTGATTGCTGTTTTCTGCAGTAAATAATTTTACAGATGTTGCATCCAAGTTCAATCAGAGACTGCAAG
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 AAGTATGCAGGAGAATCATTCCCAGGGATTTATGATGCCCTTTTGGATTAATAACAAAGTCGACACTT
 CTAAGGCTGGAGAGAAGTGAAGAGACAGATTTCTATTGCAGCCTTCACAGTGAAGCTGCAGCAGAGAC
 TCTGAGAGAAGTAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210413 representing NM_057185
 Red=Cloning site Green=Tags(s)

MWNAQQDSDSAEALGRRQRWFCAGTLVLAFTGTFIIGFLFGWFIKPSNDSTSSVSYPGMKKAFLQELKAE
 NIKKFLYNFTRTPHLAGTQHNFELAKQIHAQWKEFGLDLVELSDYDVLLSYPNKTHPNYISIIINEDGNEI
 FKTSLAELSPPGYENISDVVPPYSASFSPQGTPEGDLVYVNYARTEDFFKLERVMKINCSGKIVIARYGQV
 FRGNKVKNAQLAGAKGIILYSDPADYFVPGVKSYPDGWNLPGGGVQRGNVNLNGAGDPLTPGYPANEYA
 YRHEFTEAVGLPSIPVHPIGYDDAQKLEHMGGSAAPPDSSWKGLKVPYNVGPGFAGNF SKQKVKLHIHS
 YNKVTRIYNVIGTLKGAVEPDRYVILGGHRDAWVFGGIDPQSGAAVVHEIVRTFTGLKKKGWRPRRITILF
 ASWDAEEFGLLGSTEWAEHSRLQERGVAYINADSSIEGNYTLRVDCTPLMHSLYVNLTKELPSPDEGF
 EGKSLYDSWKEKSPSTEFIGMPRI SKLGS GNDFEVFFQRLGIASGRARYTKNWKNNKVSYP LYHSVYET
 YELVEKFYDPTFKYHLTVAQVRGAMVFELANSIVL PFD CQSYAVALKKAETIYINISMNHPQEMKAYMIS
 FDSLFSAVNNFTDVASKFNQRLQDLDKSNPILLRILNDQLMYLERAFIDPLGLPGRPFYRHIIYAPSSH
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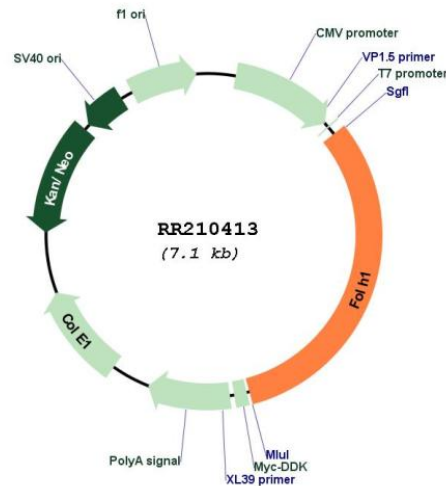
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_057185

ORF Size: 2256 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_057185.2](#), [NP_476533.1](#)

RefSeq Size: 3011 bp

RefSeq ORF: 2259 bp

Locus ID: 85309

UniProt ID: [P70627](#)

Cytogenetics:	1q32
MW:	84.5 kDa
Gene Summary:	catalyzes the release of glutamate from acidic peptides including the neuropeptide N-acetyl-alpha-L-aspartyl-L-glutamate [RGD, Feb 2006]