

Product datasheet for RC207340

GPRIN1 (NM_052899) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPRIN1 (NM_052899) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPRIN1
Synonyms:	GRIN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207340 ORF sequence, codon optimized . Due to the complexity of NM_052899, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGATCTGCC
GCC**CGGATCGCC**

ATGGACACAGCCGAAGATCCCGCTTGGCTTCAGTTGCTCCAGAAAGATTCCTCACCCCGGGACCTCGCC
CCACGGCTTTTTTCTGCCACAGGATGGGTCTTGGGCGCCGGCAGCTCCGCCATGAGAGACTACTGTCC
TTCCCAGCAGAAGGCATCCCCTGCGCCCCCAGGCATACCCAGACCAGTCCCAGGCATGGAGTCCCGC
CATCGCTCCCCTAGCGGAGCAGGAGAGGGAGCCAGCTGCTCCGATGGACCGCGCGGTAGTTTGGCATGCC
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AGAAATCCTGGGCAAGGGTGACCCCGTTGCACCCGGCGGATGGACCCAATGACCGTGAGAAAGGAGGAC
TTGGGGTCACTGGGTAAGGTCGATCCTTTGTGTTCAAGTAAAACTTACACCGTGAGCCCTAGAAAGGAAG
ATCCCGGAAGCCTTCGCAAAGTTGATCCCGTCAGTAGCGACAAAGTGCACCCCGTATTTCCAGGAAAGA
GGAACCTAGATATAGTGGGAAAGAACCCCGTGAGCAGCGAAAAGGTCGCCCTACCTCCGCGGAAAAA
GTTGATCTGGTCTCAGTGGAAGCGAGATCCAGGCCAGTGGCAAGGCGGATCCCATGCCCTGGAGA
GCATGGACAGCGCTCTACAGGCAAACCGAGCCCGGTCTGCTGGGGAAGCTTATACCTGGGAGCAGCGG
TAAGAACGGACCAGTGTATCCGGTACAGGGGCCAGGCTCTTGGGACGCTCGACCAACGTGTTTG
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TCGGGAAAATGGATCCAGCAAGCTCCGGCGAGGGTTCGGCCGATCAGGCCATACGGACACAACCTGCTTC
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 CACTGCCAGCGGAAAGCAGAGCCCTCTGGCCGTGGAAAAAGAGGACCCAGTGTCCAAGGAAAAGCTGAT
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 CCCCCGCGCCCGGGCCGGCCAGGCAGGTCTGGCTCAGTGAAGGACTGCGCCTCTGATGGAGCGGT
 AAACGGCCCCCTGGCCTGTTTAGAGCCCTGCTGCAGAGCGTCCGACAGGCCACGGTGTGCAGCAGGGCAG
 GGCCTACTGCGGAA

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Protein Sequence:

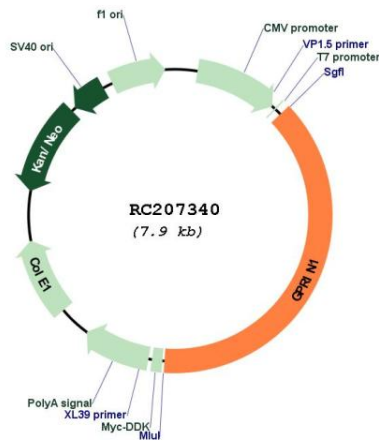
>RC207340 representing NM_052899
 Red=Cloning site Green=Tags(s)

MDTAEDPAWLQLLQKDSPPGPRPTAFFCPQDGSLGAGSSAMRDYCPSSQKASPAPPRHTPDQSPGMESR
 HRSPSGAGEGASCSGPRGSLACPSPTCFSPQESPSKETLEAHGASISGTPEATTSKGPEPVSSVKTEPK
 SSDDRNPMFLEKMDFKSSKQADSTSIGKEDPGSSRKADPMFTGKAEPEILGKGDPVAPGRMDPMTVRKED
 LGSLGKVDPLCSSKTYTVSPRKEDPGSLRKVDPVSSDKVDPVFPFPRKEEPRYSGKEHPVSSEKVPAPSAEK
 YDLVLSGKRDPGPGSKADPMPLESMDSASTGKTEPGLLGLKIPGSSGKNGPVSSGTGAPGSLGRLDPTCL
 GMADPASVGNVETVPATKEDSRFLGKMDPASSGEGRPVSGHTDTTASAKTDLTSLKNVDPMSGKVDVPS
 LGKMDPMCSGKPELLSPGQAERVSAGKAGTVSPGKEDPVSSRREDPISAGSRKTSSEKVNPESSGKTNPV
 SSGPGDPRSLGTAGPPSAVKAEPATGGKGDPLSSEKAGLVASGKAAPTASGKAELAVGKEDPVSKGKAD
 AGPSGGQDSVSIKVVSTPGKTVPVPSGKVDVPSLGAEAIEPGKVGSLPLEKGSPTVTTKADPRASGKA
 QPQSGGKAETKLPQGEGAAAPGEAGAVCLKKETPQASEKVDPGSCRKAELASGKGEVPSLKGADSAPSR
 KTESPSLKGKVVPLSLEKTKPSSSSRQLDRKALGSARSPEGARGSEGRVPEKAEVPSSTEASSLGQKDLA
 AGAERSPCPEAAAPPPGPRTRDNFTKAPSWEASAPPPREDAGTQAGAQCVSVAVSPMSPQDAGGSAF
 SFQAAPRAPSPPSRRDAGLQVSLGAAETRSVATGPMTPQAAAPPFAPEVVRPGSALAAVAPPEPAEPV
 RDVSWDEKGMTWEVYGAAMEVEVLGMAIQKHLERQIEEHGRQGAPAPPPAARAGPGRSGSVRTAPPDGAA
 KRPPGLFRALLQSVRRPRCCSRAGPTAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

RefSeq: [NM_052899.1](#), [NM_052899.2](#), [NP_443131.1](#), [NP_443131.2](#)
RefSeq Size: 4234 bp
RefSeq ORF: 3027 bp
Locus ID: 114787
UniProt ID: [Q7Z2K8](#)
Cytogenetics: 5q35.2
MW: 102.4 kDa
Gene Summary: May be involved in neurite outgrowth.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC207340