

Specifications:

Gene:	<i>hGRID1</i>
Accession:	NP_060021
Insert size:	3044bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

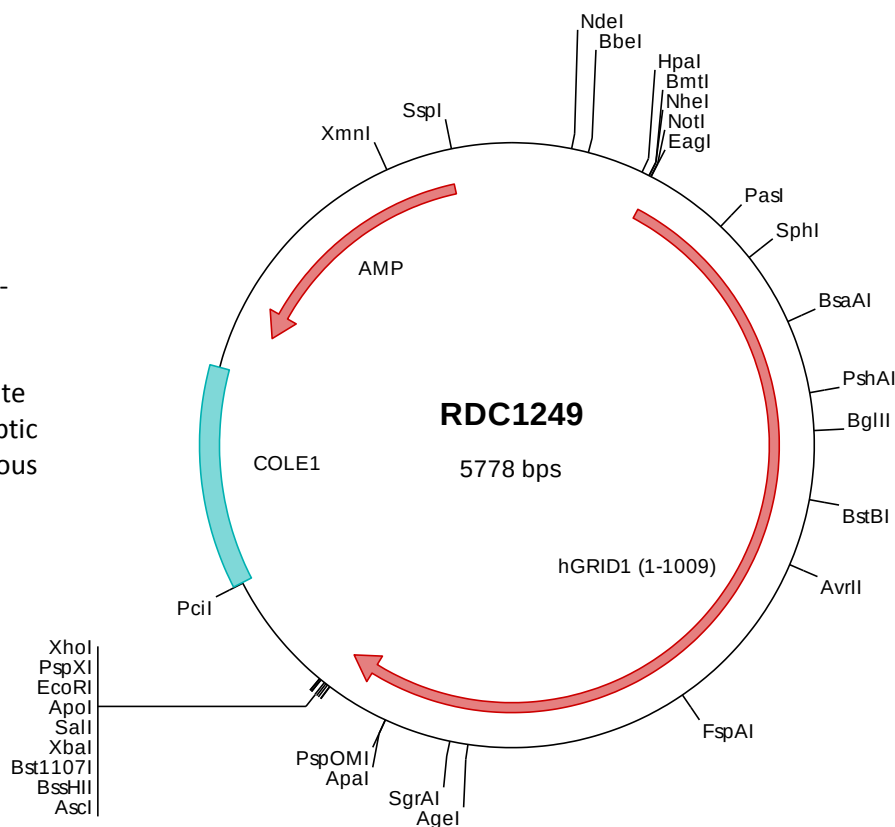
hGRID1 cDNA Plasmid

GRID1 glutamate receptor, ionotropic, delta 1 [*Homo sapiens* (human)]

Also known as: GluD1

Summary:

GRID1 belongs to the glutamate-gated ion channel family. It is a subunit of glutamate receptor channels. These channels mediate most of the fast excitatory synaptic transmission in the central nervous system and play key roles in synaptic plasticity.





> RDC1249 Plasmid DNA Sequence

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1   tcgcgcggttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatagtcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaagggt ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgcaccc atggaagcgc tgacgctgtg gcttctcccc tggaatgccc agtgcgtgtc
501  gtgtgcggcg tcctccatca tgccatttgg tgccatttcc gaggagaacg cgcccaagga cgacagggtg ttccagttgg cggtatccga cctgagccct
601  aacgatgaca tcctgcagag cgagaagatc acctactcca tcaaggctcat cgaggccaac aaccattccc aggctgtgca ggaagcctgt gaacctatga
701  cccaggggat tttggccttt gtcacgtcca ctggctgtgc atctgccaat gcctgcagtt ccctcacgga tgccatgcac atccacaccc tctttgtcca
801  gcgcaaacgc gggagggtgc cacgcacgcg atgcacactg aaccccagcc cagatgggtg ggcctacaca ctggcttcga gaccaccogt ccgcctcaat
901  gatgtcatgc tcaggctggt gaaggagctg cgctggcaga agttcgtcat gtttacagac agcagtagtg atatccgtgg gcttcaaaag ttcttgagcc
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2201 acaggataca ggctgtgagg gctcagagtg ctgcccagcc caggccgtca gcttctgcca ctctgcacag cgccatctgg attgtctatg gagcctctgt
2301 acagcaaggt ggcgaaatct catggccatg cgcactgtga gggcagctgt ttccagggac ctgtccaaac aagtggaaat gtcttatggc actgtccggg
2401 aaccttctgt ccttctctac agtgtccagg atggacaacc ccatgaaggac ttccagggac ctgtccaaac aagtggaaat gtcttatggc actgtccggg
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> RDC1249 Translated Amino Acid Sequence

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1   mealtlwllp wicqcvsvra dsiihigaif eenaakddrv flslavsdls nddilqseki tysikviean npfqavqead dlmtqgilal vstgscasan
101  alqsltdamh iphlfvqrnp gssprtachl nspdpgeayt lasrppvrln dvmrlrlvtel rwqkfvmyfd seydirglqs fldqasrlgl dsvlqkvdkn
201  ishvftslft tmkteelnry rdtlrraill lspqgahsfi neavetnlas kdshwvfvrne eisdpeildl vhsalgrmtv vrqifpsakd nqkctrnnhr
301  issllcdpqqe gylqmlqisn llyldsvlml anafhrkled rkwhsmasln cirkstkpwn ggrsmltdtik kghitglgtg mefredssnp yvqfeilgnt
401  ysetfgkdmp klatwdsckg lnsllqerpm gsrllqgltlk vvtvleefmv mvaelnlqgp krykgfsidv ldalakalgf kyeiyqapdg ryghqlhnts
501  wngmigelis kradlaisai titperesvv dfskrymdys kisifslfap fdfavwacia aaipvvvgvli fvlnrqiaavr aqsaagqrps
601  asatlhsaiw ivyqafvqqg gessvnsamam rivmgswwlf tlvicssyta nlaafltvsr mdnpirtfqd lskqvemspy tvrdsavyey frakgtnple
701  qdstfgeeltg tisknggadn cvsspssegr kakkngyafll wdvavveyayf ltdddcsvtv ignsisskgy gialghgsyp tvrdsavyey frakgtnple
801  kqkwwphmgr cdltsasasq adgksklkhs fagvfcliai glllaclvaa lelwnsnrc hqetpkedke vnleqvhrm nslnmediah kqispasiel
901  salemgglap tqtleprey qnqqlsvstf lpeqsshgts rtlssggpsn lpplssssat mpsmqckhrs pngglfrqsp vktipmsfaq pvggvlpaea
1001 ldtshgtsi
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