

Product datasheet for MC223118

Grid2ip (BC075624) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grid2ip (BC075624) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grid2ip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC075624 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGGGAAGGACCAGGGCTTCTCTCGGCACTTTAGGATCTTTATCCAAAAAGCATCGGGCGCGTTCCG
ACGAGGTGGTGTGCGAGGGTCTGCTGGGCAAGCTGTGCCGTGCTCGGAGGGCGCAGGGCGCACAGCGTTT
GCGTCGGAGCCGAGCGAGGAGCGCCCGGAGCGCCTCTTAGTGTCCACGCGCGCTAGCGCCGCTCCCCGC
CGTCCGGATGAGCCACCCCGGGAAGGCAACCTCGCTGCTGGCGGTGCGCACTGGCCCTGGGGTCCCTC
GTAGGACGGTTTCGAGTTTATAAAGGCAACAAGAGTTTCGGTTCACCTGCGAGGCCATGGACCGTCTG
GATCGAATCTGTCTGCCTGGCAGCCCGGCTGAAAATGCCTCCCTCAAGTCAGGTACCGGATCCCTCTTC
CTCAATGGATTGGACATGAGGAAGTCTCCACGACAAGGTGGTGTCCATGTTGCAGGGCAGTGGCGCCA
TGCCACGCTGGTGGTAGAGGAAGGACCGTCCCTTCGCCAGTGATTGAGATTCTGGATTCCCCGAC
CCGGGCGTCAGCTCTCACCTCGCTGCAGTGGTGGCGGATATCCTGCCTCCAGTATCCGAGTCCAGGGG
AGGACCTTCAGCCAGCAGCTGGACCACCTCCTCACTCCTCCGAGCGCTATGGAGTCTGCCGAGCTCTCG
AGCGCTTCTTTCCAGCACAGGAACATCGATACCCTCATCGTGGATGTCTACCCCGTCTGGACACACCCGC
CAAGCAGGTACTCTGGCAGTTCCTTACCAGCTGCTGACCTACGAGGAGCAGGAGCTGTGTCAGGAGAAG
ATCGCGTCTTCTCGGCTACACAGCCATGACGGAACCTGAATCCTCACTGGACCTCGAGCCAGAGTCTA
CACCAGAGCCACACCAGAGCCACAACCAGGAGTTCCTGAGGGCCTTCCATGTGCCGTGCGAGCTT
GCGCTCCAGGGCTGGAGACCAGCCTCAGCTGTGGTCCCTGGTACTGCCCTGAGATGCCCTACCTCTG
ATCCCAGGCGAGCGTCAGGCTGGCGATGGCACATCCCTCCCGAAACCCCTAACCCTAAATGATGTGAG
CGGTCTATGCAGAGCTCGAGTCTCGACTGAACAGCAGCTTCAAAGGGAAGATAGGGACCATGTCCAAATC
CCGGGCTCTCCACCAGTCCCGAGCCTGGTCCGACATCAGGGCCAGGACCTGTCTGGAGTCTCCTGG
CCCAGTACCGGCTCCTGCCTTCCCGTGTATGACCCGCTGTGTCTGGGGTCTGGCCTCTCCAGCA
GCTCGGAATCCCACCCCTACGCCAGCTTGACAGCAGCAGGGCGCCCTCCACAGCCAGGCTTGGATC
CATCCAGCCGACAGCCCCCAAGCCAGACCCATCCGGCCCGCCAGTCGCCGGAAGCTTTCGCCCTC
TCACGCCAGTCCGAGCCGAGACAGATCGTTCCTGGATGCCTGAGCGAGCAGTGGTCCCGCC
TCAGCATCGTGGATGACTTCTGACACCCGAGAATGACTATGAAGAGATGAGCTTCCATGATGACCAGGG



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CAGCTTTGTGACCAACGAGAGGAGCAGCGCTAGCGAGTGTGTCAGCAGCAGCGAGGAGGGCAGTTCTCTG
 ACCTACTCCTCCATCTCCGACCACATCCCCCACCTCCACTCAGCCCCCGCCGCCACCGCCCTGCCTT
 TCCATGACCCCAAGCCTAGTCCCGCACCTCCGATGGTCCCCGAGGTCCCCTCAGTCATTGACCAAACC
 CCTCACCAGATCAACCATCCAGTCCCACCCCCACCCCCACCCCTCTACCCCCACTGTGCCCTGTGCA
 CCCCCATGCTATCCCGAGGCGTGGGCCACCGCCGAGTGAGACCAGCCATATGAGCGTCAAGCGTTAC
 GCTGGGAACAGGTGGAGAACTCAGAAGGCACCATCTGGGGTCACTTGGGAAGACTCTGACTATGACAA
 GCTGAGTGACATGGTAAATACCTCGACCTGGAGCTCCACTTCGGCACCCAGAAACCTCGAAGCCAGTG
 CCGGCCCGGAGCCCTTACAGGAAGAAGGAAGTGGTGGAGATCTTGTCCCACAAGAAGGCCTACAATACCT
 CCATTCTCCTAGCGCACCTGAAGCTGACCCCTGGCGAGCTGCGGCAAGTCTCATGAGCATGGAACCCCG
 GCGCCTGGAGCCTGCTCATCTGGCGCAGCTGCTGCTCTTCGCTCCTGACGCCGACGAGGAACAGCGATAT
 CAGGCTTTCGCGAGGCTCCGGTGCCTCAGTGAGCCGACCAGTTCGTCTGCAGATGCTGTCGGTTC
 CCGAATAACAAGACCCGCTGCGCAGTCTACACTCCAGGCTACCTTGAGGAGAAGACAGAGGAGATACG
 AGGCAGCCTCGAGTGTCTGCGACAGGCATCTCTGGAGCTCAAAAACAGCCGAAACTCGCCAAGATCCTG
 GAGTTTGTGTTGGCCATGGTAACATCTCAACGATGGACAGCCCAAGACCAACAAGACCACTGGCTTCA
 AGATCAACTTCTGACCGAGCTAAACTCCACCAAGACAGTGGACGGGAAGTCCACCTTTCTGCACATCCT
 TGCCAAATCGCTAAGCCAGCACTTCCCTGAGCTCCTGGGCTTGGCCAGGACCTGCCACTGTGCCCTG
 GCTGCCAAAGTGAACCAGCGAGCCCTGACTGGTGACCTGGCTGACCTCCATGACACCGTCAGTGAGATTC
 AGGTGGCTGCCAGAGCATGGCCCTTCCAGTGAGGACAGGTTTGTGTGGTTCATGGCTTCTTTTGGAA
 AACAGCGCAGCCAGCCCTGCGAGCGTGGATGGTCTGCAGCGAGAGGCCATGGAGGAGCTAGGGAAGGCT
 CTGGCCTTCTTCGGAGAGGACTCCAAGGCCACTACCTCAGAGGCCTTCTTTGGCATCTTTTCAGAATTCA
 TGAGCAAATTTGAGAGAGCCCTCAGCGACCTGCAGGCAGGGATGGCCACCGAGCTCAGGGATGGTGTG
 ACCCTGGCCTGGTGA

ACGCGTACGCGCGGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** BC075624
- Insert Size:** 3096 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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.
- Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
- RefSeq:** [BC075624](#), [AAH75624](#)

RefSeq Size: 4299 bp

RefSeq ORF: 3095 bp

Locus ID: 170935

Cytogenetics: 5 G2

Gene Summary: Postsynaptic scaffolding protein at the Purkinje cell synapse, where it may serve to link GRID2 with actin cytoskeleton and various signaling molecules.[UniProtKB/Swiss-Prot Function]