

Product datasheet for MC223924

Grid2ip (NM_001159321) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grid2ip (NM_001159321) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grid2ip
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223924 representing NM_001159321 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGCCAGCCACCAATCAAGGCTGGCCCCGAGGACTTCGGCTTCCAGCTGGGCGGCTCTGGCCCTGCTTCG
TGATAGAGGTGGCTGAAGGAAGCAGCGCGCACGCTGGGGGTTGCGGCCGGGGATCAGATCCTGGAAGT
GGAGGGCTGGCTGTGGGTGGCTGAGCCGAGAGCGCATCGTGGCTTGGCACGGCGCTGCCCTCGAGTG
CCACCCAGCCTCGGTGTCTCCAGGCCCGAGGGTGGCCCCACAGCCTTGACAGCAGCCTGGCTAACCC
GGCGATTTGGCCGAGCCTCCCGCTGAGCCGCAACTGCTGCGTTTGGTGGTGGTCCCAGACCAGATGC
TGTGCACAGAGAGCGCAGGCGCAAGGCCAGGAGTTCAGCTGCCAGGTAGATGACATCTTGGGGATCGG
CTGACAGCCAAGGAGCAGGTGTTACTGCACTGAAGCAGTTCGCTGCCGAGCAACGGGTGGATGAGCTGG
TGTGGACCCTCACTCTCGTGTGCCAGCGAGGCCAGGGGCCAGTCTGGACAACCTCAGGATCTTTAT
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CGGAGGGCGCAGGGCGCACAGCCTTTCGTCGGAGCCGACGAGGAGCGCCCGGAGCGCCTCTTAGTGT
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ACTCTGCGAGGCCATGGACCGGTCTGGATCGAATCTGTCCTGCCTGGCAGCCCGGCTGAAAATGCCTCCC
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GTCCATGTTGCAGGGCAGTGGCGCCATGCCACGCTGGTGGTAGAGGAAGGACCGGTCCCTTTCGCCAGT
GATTCAGATTCTCGGATCCCCGACCCGGGCGTCAGCTCTCACCTCGTGCAGTGGGTGGCGGATATCC
TGCCTTCCAGTATCCGAGTCCAGGGGAGACCTTCAGCCAGCAGCTGGACCACCTCCTCACTCCTCCCGA
GCGCTATGGAGTCTGCCAGCTCTCGAGCGCTTCTTTCAGCACAGGAACATCGATACCCTCATCGTGGAT
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AGGAGCAGGAGCTGTGTCAGGAGAAGATCGCGTCTTCTCGGCTACACAGCCATGACGGAACCTGAATC
CTCACTGGACCTCGAGCCAGAGTCTACACCAGAGCCACACCAGAGCCACAACCAGGAGTTCCTGAGG
GCCTCTTCCATGTGCCGTGCGAGCTTGCCTCCAGGGCCTGGAGACCAGCCTCAGCTGTGGTCTGGT
ACTGCCCTGAGATGCCCTACCTCTGATCCAGGCGAGCGTCAGGCTGGCGATGGCACATCCCTCCCGGA
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GGGAAGATAGGGACCATGTCCAATCCCGGCCTCTCCACCAGTCCCCAGCCTGGTCGGCACATCAGGGC
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TTCTGGGGGTCTGGCCTCTCCAGCAGCTCGGAATCCCACCCCTACGCCAGCTTGGACAGCAGCAGGGCG
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GCTGAGCGAGCAGCTGGGTCCCCGCCTCAGCATCGTGGATGACTTCTGACACCCGAGAATGACTATGAA
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CAAGTGCTCATGAGCATGGAACCCCGGCCTGGAGCCTGCTCATCTGGCGCAGCTGCTGCTCTTCGCTC
CTGACGCCGACGAGGAACAGCGATATCAGGCTTCCGCGAGGCTCCGGGTGCGCTCAGTGAGCCGACCA
GTTCTGCTGCAGATGCTGTCGTTCCCGAATACAAGACCCGCTGCGCAGTCTACACTTCCAGGCTACC
TTGAGGAGAAGACAGAGGAGATACGAGGCAGCCTCGAGTGTCTGCGACAGGCATCTCTGGAGCTAAAA
ACAGCCGAAACTCGCCAAGATCCTGGAGTTGTGTTGGCCATGGGTAACATCTCAACGATGGACAGCC
CAAGACCAACAAGACCACTGGCTTCAAGATCAACTTCTGACCGAGCTAACTCCACCAAGACAGTGGAC
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CCCAGGACTGCCACTGTGCCCTGGCTGCCAAAGTGAACAGGAGCCCTGACTGGTACCTGGCTGA
CCTCCATGACACCGTCAGTGAGATTGAGGTGGCCTGCCAGAGCATGGCCCTTCCAGTGAGGACAGGTTT
GCTGTGGTCATGGCTTCTTTCTGGAAACAGCGACCCAGCCCTGCGAGCGTTGGATGGTCTGCAGCGAG
AGGCCATGGAGGAGCTAGGGAAGGCTCTGGCCTTCTTCGGAGAGGACTCCAAGGCCACTACCTCAGAGGC
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ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001159321
- Insert Size:** 3612 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.

RefSeq: [NM_001159321.1](#), [NP_001152793.1](#)

RefSeq Size: 3825 bp

RefSeq ORF: 3612 bp

Locus ID: 170935

UniProt ID: [Q0QWG9](#)

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]
Transcript Variant: This variant (1) encodes the larger isoform (1).