

Product datasheet for MR211652

Grip1 (BC072632) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grip1 (BC072632) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Grip1
Synonyms:	4931400F03Rik; eb; GRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211652 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGCTGGAAGAAGAACATCCCCATCTGCTTACAAGCGGAGGAGCAGGAGAGAGATGAGAGTCCCT
ACACTAAATCTGCCAGCCAGACAAAGCCGCCGATGGAGCATTGGCTGTGAGGAGACAGAGCATCCCAGA
GGAATTC AAGGGCTCCACAGTGGTGGAGTTGATGAAGAAGGAGGGAACTCTTGGCCTGACGGTATCG
GGAGGCATTGATAAAGATGGCAAGCCAAGAGTGTCCAACCTGCGGCAGGGAGGAATCGCTGCCAGAAGT
ACCAGCTGGATGTGGCGACTACATCAAGCGGTGAATGGGATCAACCTGGCCAAGTTCGCCACGATGA
GATCATCAGCCTGCTGAAAAATGTCGGGAAAGAGTGGTCTGGAGGTCGAGTACGAGCTCCACCGGTC
TCTGTACAAGGATCCAGTGTTATGTTCCGAACGTGGAGGTCACGCTGCACAAAGAAGGCAACACCTTTG
GTTTTGTATCCGAGGGGAGCGCATGATGACAGGAACAAGTCCCGTCCGGTTGTGATAACCTGTGTTTCG
TCCTGGAGGGCCTGCTGACAGAGAGGGCACCATCAAACCTGGAGACAGGTTGCTCAGCGTGGATGGAATT
CGGCTCCTGGGAACCCATGCCGAGGCCATGAGCATCCTTAAACAGTGCAGCAAGAAGCCACGCTGC
TGATAGAATACGATGTCTGTGATGGATTCTGTGGCGACAGCATCCGGGCCACTACTAGTTGAAGTTGC
CAAACTCCAGGTGCCAGCCTTGGGTTGCCCTAACTACCTCCGTGTGCTGTAACAAGCAGGTCATTGTC
ATAGACAAAATCAAATCTGCAAGCATTGGGACAGATGTGGCGCCTACACGTGGGAGACCACATCCTCT
CCATTGACGGCACGAGTATGGAGTACTGTACCCTCGCAGAAGCGACCCAGTTCTGGCCAATACCACTGA
CCAGGTCAAGCTGGAGATTCTCCACACCATCAGACCCGCTGGCCCTAAAGGGCCCTGACCATGTGAAA
ATTCAGAGGAGCGACAGACAACATCCCTGGGATGCCTGGGCCAGCAACCAGTGCAGGCTTCATACCAACC
ATCACCATAACACGTACCACCCAGACCATTGCAGAGTGCAGCCCTGACTTTCGCCAAAGCGCTTCTCC
AAACAGCCCTCCGGCTATGGTGCCTCATCTTCTCCTACCTCCATGAGTGCGTACAGTCTGAGTTCCTG
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AAAAGAAAGACTTCAAAGCTCACTGTCTTTCAGCTCCAGCACTGTGGGTTGGCTGCCAGGTCGTTCA
CACTGAAACCACAGAGGTTGTGCTGACGGCTGACCTGTACGGGCTTCGGAATCCAACCTGCAGGGCAGC



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GTGTTTGCCACAGAGACGCTCTCCTCTCCGCTCTGATTTCTATATTGAAGCTGACAGCCCAGCAGAGA
 GATGTGGTGTGCTACAGATTGGAGACAGAGTCATGGCCATTAATGGAATCCCAACAGAAGACAGCACCTT
 CGAGGAAGCCAATCAACTCCTGAGAGACTCTTCCATCACGAGCAAAGTCACACTAGAAAATCGAGTTTGAT
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 TCCGCAAAGATGAAGATAACTCAGACGAGCAAGAGAGTTCGGAGCGATTATTTACACGGTGGAGCTGAA
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 TCCCAACTCCGGTGGAGCTACACAAGGTGACCTTATAACAAGACTCTGGCATGGAGGACTTCGGTTCA
 GTGTGGCAGATGGCCTGCTGGAGAAAGCGGTGTATGTCAAAAATATCCGCCAGCTGGGCCAGGTGATGT
 TGGGGCTTGAAGCCCTACGACAGGCTCTTACAGGTAATCACGTGCGGACGAGAGACTTTGACTGCTGC
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 CCCAGAAGTCGATAGAACAGCCGGCTCTGCCAGCGACTGGAGCGAACAGAACAGCGCTTTCTCCAGCA
 ACCCAGCCACGGGATTCTGGAGATACTGTATACTTTTGGCAAAGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211652 protein sequence
 Red=Cloning site Green=Tags(s)

MPGWKKNIPICLQAEERDESPYTKSASQTKPPDGALAVRRQSIPEEFKGSTVVELMKKEGTTLGLTVS
 GGIDKDGKPRVSNLRQGGIAARSDQLDVGDIKAVNGINLAKFRHDEIISLLKNVGERVVLEVEYELPPV
 SVQGSSVMFRTVEVTLHKEGNTFGFVIRGGAHDDRNRKSRPVVITCVRPGGPADREGTIKPGDRLLSVDGI
 RLLGTTTHAEAMSILKQCGQEATLLIEYDVSVMDSVATASGPLLVEVAKTPGASLGVALLTTSVCCNKQVIV
 IDKIKSASIAADRCGALHVGHDHILSIDGTSMEYCTLAEATQFLANTTDQVKLEILPHHQTRLALKGPDHVK
 IQRSDRQHPWDWASNQCGVHTNHHTYHPDHCRVPALTFPKALPPNSPPAMVPSSTMSAYSLSL
 NMGTLPRLSYSTSPRGTMMRRRLKKKDFKSSLASSTVGLAGQVVHTEVTVLADPVTGFGIQLQGS
 VFATETLSSPPLISYIEADSPAERCGLVQIGDRVMAINGIPTEDSTFEANQLLRDSSITSKVTLEIEFD
 VAESVIPSSGTFHVKLPKKHSVELGITISSPSSRKPDPDPLVISDIKKGVAHRTGTLELGDKLLAIDNIR
 LDNCSMEDAVQILQQCEDLVKLKIRKDEDNSDEQESSGAIITYVELKRYGGPLGITISGTEEPFDPIIS
 SLTKGGLAERTGAIHIGDRILAINSSSLKPKPLSEAIHLLQMAGETVTLIKKQTDASASPKKFPPIG
 HSGDLGDGEEDPSPIQKPKGLSDAYPSTVPSVDSAVDSWDGSGIDASYGSQGSTFTSGYNYNTYDWRSP
 KQRTSLSPVPKPRSQTYPDVGLSNEDWDRSTASGFVGASDSADAEQENFWSQALEDETCCGQSGILREL
 EATIMSGTMSLNHEAPMARSQLRQASQFQERSRPHYSQTTRSNTLPDVGKRSVTLRKMKEIKEIM
 SPTPVELHKVTLYKDSGMEDFGFSVADGLLEKGVYVKNIRPAGPGDVGGLKPYDRLLQVNHVTRDRDFDC
 LVVPLIAESGNKLDLVISRNPLASQKSIEQPALPSDWSEQNSAFFQQPSHGIPGDTVYFWQSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC072632

ORF Size: 3339 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: [BC072632](#), [AAH72632](#)

RefSeq Size: 4064 bp

RefSeq ORF: 3341 bp

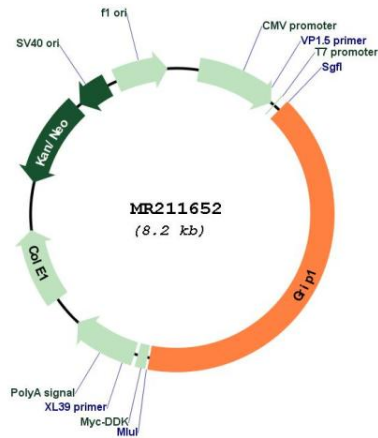
Locus ID: 74053

Cytogenetics: 10 67.33 cM

MW: 120.5 kDa

Gene Summary: This gene encodes a protein containing multiple PDZ (post synaptic density protein, Drosophila disc large tumor suppressor, and zonula occludens-1 protein) domains. The encoded protein acts as a mediator between cytoskeletal and membrane proteins, particularly in neuronal cells, and facilitates complex formation at the cell membrane. Mutation of this gene can cause embryonic lethality resulting from defects of the dermo-epidermal junction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]

Product images:



Circular map for MR211652