

## Product datasheet for MR211562

### Grip1 (BC067398) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Grip1 (BC067398) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Grip1
Synonyms:	4931400F03Rik; eb; GRIP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR211562 representing BC067398 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGATAGCTGTCTCTTTTAAATGCCGCTGTCAAATCTAAGGCGACTTACCAAAGATGAGAGTCCCTACA  
CTAAATCTGCCAGCCAGACAAAGCCGCCGATGGAGCATTGGCTGTGAGGAGACAGAGCATCCCAGAGGA  
ATTC AAGGGCTCCACAGTGGTGGAGTTGATGAAGAAGGAGGGAACCACTTTGGCCTGACGGTATCGGGA  
GGCATTGATAAAGATGGCAAGCCAAGAGTGTCCAACCTGCGGCAGGGAGGAATCGCTGCCAGAAGTGACC  
AGCTGGATGTGGGCGACTACATCAAGGCGGTGAATGGGATCAACCTGGCCAAGTCCGCCACGATGAGAT  
CATCAGCCTGCTGAAAAATGTCGGGAAAGAGTGGTCTGGAGGTCGAGTACGAGCTTCCACCGGTCTCT  
GTACAAGGATCCAGTGTATGTTCCGAAGTGTGGAGGTCACGCTGCACAAAGAAGGCAACGCCTTTGGTT  
TTGTCAATCCGAGGGGGAGCGCATGATGACAGGAACAAGTCCCCTCCGGTTGTGATAACCTGTGTTCTGTC  
TGGAGGGCCTGCTGACAGAGAGGGCACCATCAAACCTGGAGACAGGTTGCTCAGCGTGGATGGAATTCGG  
CTCCTGGGAACCCCATGCCGAGGCCATGAGCATCCTTAAACAGTCCGGACAAGAAGCCACGCTGCTGA  
TAGAATACGATGTCTCTGTGATGATTCTGTGGCGACAGCATCCGGCCACTACTAGTTGAAGTTGCCAA  
AACTCCAGGTGCCAGCCTTGGGGTTGCCCTAACTACCTCCGTGTGCTGTAAACAAGCAGGTCATTGTCATA  
GACAAAATCAAATCTGCAAGCATTGCGGACAGATGTGGCGCGCTACACGTGGGAGACCACATCCTCTCCA  
TTGACGGCAGGATGAGTACTGTACCTCGCAGAAGCGACCCAGTTCCTGGCCAATACCACTGACCA  
GGTCAAGCTGGAGATTCTCCACACCATCAGACCCGCCTGGCCCTAAAGGGCCCTGACCATGCGGCTATG  
GTGCCCTCATCTCTCTACCTCCATGAGTGGTACAGTCTGAGTTCCCTGAACATGGGGACTTTACCTC  
GAAGCCTCTACTCCACCAGCCCACGAGGAACCATGATGAGGAGGAGACTGAAAAAGAAAGACTTCAAAG  
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GTGCTGACGGCTGACCCTGTACGGGCTTCGGAATCCAACCTGCAGGGCAGCGTGTGGCCACAGAGACGC  
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TGGAGACAGAGTCATGGCCATTAATGGAATCCCAACAGAAGACAGCACCTTCGAGGAAGCCAATCAACT  
CTGAGAGACTCTCCATCAGGACAAAGTCACACTAGAAATCGAGTTTGTGTTGACAGAGTCTGTATCC



CAAGTAGTGAACATTTTCATGTAAAACAGCCCAAGAAGCACAGCGTGGAAGTGGAAATAACCATCAGTTC  
 GCCATCCAGTAGAAAACCGGGGACCCCTTGTCAATTCAGATATCAAGAAAGGCAGTGTGGCACACAGA  
 ACCGGAAGTCTGGAAGTGGGAGACAACTGCTTGCAGATAGATAACATCCGGCTGGATAACTGTTCCATGG  
 AAGATGCGGTCCAGATCTCCAGCAGTGTGAAGACCTGGTGAAGCTCAAATCCGCAAAGATGAAGATA  
 CTCAGACGAGCAAGAGAGTTCGGAGCGATTATTTACACGGTGGAGCTGAAGCGCTATGGGGGCCCCCT  
 GGCATCACAATTTCTGGAAGTGAAGAGCCGTTTGTATCTATTATCATCTCGAGCCTCACTAAAGGGGGAT  
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 CAGACAGATGCCCAATCTGCATCAAGTCCCAAGAAGTTCCCCATCCCTGGCCACTCGGGGACCTAGGAG  
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 CAGCGTGGACAGTGTGTGGACTCTGGGATGGGTCTGGAATAGATGCCAGCTATGGGAGTCAAGGCTCA  
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 GGAGTACTATGAGTTTGAATCATGAGGCTCCAATGGCTCGCAGTCACTGGGGCGACAGGCCAGCTTCCA  
 GGAACGGAGCAGTTCACGGCCACACTATAGCCAAACAACCTCGCAGCAACACCCCTGCCCTCAGACGTGGG  
 AGAAAGTCTGTAACCCTGCGGAAAATGAAGCAAGAAAATAAGGAGATCATGTCCCAACTCCGGTGGAGC  
 TACACAAGGTGACCTTATACAAGGACTCTGGCATGGAGGACTTCGGGTTCAAGTGTGGCAGATGGCCTGT  
 GGAGAAAGGCGTGTATGTCAAAAATATCCGCCAGCTGGGCCAGGTGATGTTGGGGGCTTGAAGCCCTAC  
 GACAGGCTCTTACAGGTAATCACGTGCGGACGAGAGACTTTGACTGTGCTGCTGGTGGTCTCATAG  
 CTGAATCTGGCAACAAGCTGGACCTGGTATTAGCAGAAAATCCACTGGCTCCAGAAAGTGCATAGAACA  
 GCCGGCTCTGCCAGCAGTGGAGCGAACAGAACAGCGCTTTCTCCAGCAACCCAGCCAGGTGGTAAT  
 CTAGAGACACGAGAACCCACTAACACACTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR211562 representing BC067398

Red=Cloning site Green=Tags(s)

MIAVSFKRCRCQILRRLTKDESPYTKSASQTKPPDGALAVRRQSIPEEFKGSTVVLMKKEGTTLGLTVSG  
 GIDKDGKPRVSNLRQGGIAARSDQLDVGDIKAVNGINLAKFRHDEIISLLKNVGERVVLEVEYELPPVS  
 VQGSSVMFRTVEVTLHKEGNAGFVIRGGAHDDRNSRPVVITCVRPGPADREGTIKPGDRLLSVDGIR  
 LLGTTAEAMSILKQCGQEATLLIEYDVSVMDSVATASGPLLVEVAKTPGASLGVALTTSVCCNKQVIVI  
 DKIKSASIAIDRCGALHVGHDHILSIDGTSMEYCTLAEATQFLANTDQVKLEILPHHQTRLALKGPDHAAM  
 VPSSSPTSMSAYSSLNMGTLPRSLYSTSPRGTMRRRLKKKDFKSSLSLASSTVGLAGQVVHTETTEV  
 VLTADPVTGFGIQLQGSVFATETLSSPPLISYIEADSPAERCGLVQIGDRVMAINGIPTEDSTFEANQL  
 LRDSSITSKVTLEIEFDVAESVIPSSGTFHVKLPKKHSVELGITISSPSSRKPDPPLVISDIKKGVAHR  
 TGTLELGDKLLAIDNIRLDNCSMEDAVQILQQCEDLVKLIKRDENSDSEQESSGAIYTVELKRYGGPL  
 GITISGTEEPFDPIISSLTKGGLAERTGAIHIGDRILAINSSSLKKGKPLSEAIHLLQMAGETVTLKIKK  
 QTDAQSASSPKKFPPIPGHSGDLGDGEEDPSPIQKPGKLSDAYPSTVPSVDSAVDSWDGSGIDASYGSQGS  
 TFQTSYNYNTYDWRSPKQRTSLSPVPKPRSQTYPDVGLSNEDWDRSTASGFVGSADSADAEQEENFWSQ  
 ALEDLETCGQSGILRELEATIMSGSTMSLNHEAPMARSQGRQASQFQERSRPHYSQTTTRSNLTPSDVG  
 RKSVTLRKMKQEIKEIMSPTPVELHKVTLYKDSGMEDFGFVADGALLEKGVYVKNIRPAGPGDVGLKPY  
 DRLLQVNHVTRDRDFDCLLVVPLIAESGNKLDLVISRNPLASQKSIEQPALPSDWSEQNSAFFQPSHGGN  
 LETREPTNTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC067398.1</a>
<b>RefSeq Size:</b>	5024 bp
<b>RefSeq ORF:</b>	3182 bp
<b>Locus ID:</b>	74053
<b>Cytogenetics:</b>	10 67.33 cM
<b>MW:</b>	184.1 kDa
<b>Gene Summary:</b>	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]