

Product datasheet for **RN215308**

Grip1 (NM_032069) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grip1 (NM_032069) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grip1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN215308 representing NM_032069 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGATAGTGTCTCTTTTAAATGCCGCTGTGAGATTCTAAGGCGACTTACCAAAGATGAGAGTCCCTACA
CTAAATCTGCCAGCCAGACAAAGCCCGCCGATGGAGCATTGGCTGTGAGGAGACAGAGCATCCCAGAGGA
ATTCAAGGGCTCCACCGTGGTGGAGCTGATGAAGAAGGAGGGAACCACTTTGGCCTGACGGTATCAGGA
GGAATCGATAAAGATGGAAAGCCAAAGAGTGTCCAACCTGCGGCAGGGAGGGATTGCTGCCAGAAGTGACC
AGCTGGATGTGGGCGACTACATCAAAGCGGTGAATGGGATCAACCTGGCCAAATCCGCCATGATGAGAT
CATCAGCCTGCTGAAAAATGTTGGGAAAGAGTGGTCTGGAGGTCGAGTATGAGCTTCCACCGGTCTCT
ATCCAAGGATCGAGTGTATGTTCCGAACAGTGGAGGTCACCTTGACAAAGAAGGCAACACCTTTGGTT
TTGTCATCCGAGGGGAGCGCATGATGACAGAAATAAGTCCCCTCCAGTTGTGATAACCTGTGTTCTGTC
TGGAGGGCCTGCTGACAGAGAGGGCACCATCAAACCTGGAGACAGGTTGCTCAGTGTGGATGGAATTCGG
CTTCTGGGAACCCCATGCTGAGGCCATGAGCATCCTTAAACAGTCCGACAAGAAGCAACGCTGCTGA
TAGAATATGATGTCTCCGTGATGGATTCTGTAGCAACAGCATCCGGGCCACTACTAGTTGAAGTTGCCAA
AACTCCCCTGCAAGCCTTGGGGTTGACTAACTACCTCCGTGTCTGTAAACAAAGTCAATCGTCATA
GACAAAATCAAATCTGCAAGCATTGCGGACAGGTGCGGGGCGCTACATGTGGGAGACCACATCCTCTCCA
TCGACGGCAGCAGCATGGAGTACTGTACCTCGCAGAAGCAACCCAGTTCCTGGCCAACACCACTGACCA
GGTCAAGCTGGAGATTCTCCACACCATCAGACCCGCCTGGCCCTGAAGGGACCTGACCATGTGAAAATT
CAGAGGAGCGACAGACAGCTTCCCTGGGATCCCTGGGCCAGCAGCCAGTGCAGCGTTTCAACCAACCATC
ACCATAACCCGCACCACCAGACCATTGCCGAGTACCAGCCCTGGGTTTTCCGAAAGCGCTTACTCCAAA
CAGCCCTCCGGCTATGGTGTCTCGTCTCTCTACCTCTATGAGTGCGTACAGCCTGAGTTCCTGAAAC
ATGGGGACTTTACCTCGAAGCCTTACTCTACTAGTCCACGAGGAACCATGATGAGGAGGAGACTGAAAA
AGAAGGACTTCAAAGCTCACTGTCTTTAGCTTCTAGCACTGTGGGATTGGCTGGACAGGTTGTTACAC
TGAACCAACAGAGGTTGTGCTGACGGCTGATCCTGTCACTGGCTTTGGAATCCAACCTGCAGGGCAGCGTG
TTTGCCACAGAGACTCTCTCTCCACCTCTGATTTCTATATTGAAGCTGACAGCCCAGCAGAGAGAT
GTGGTGTGCTGCAGATTGGAGACAGAGTCATGGCCATTAATGGAATCCCAACAGAAGACAGCACCTTTGA
GGAAGCCAATCAGCTCCTTCGAGACTCTCCATCAGCAGCAAAGTCACTGGAATCGAGTTTGTGTT



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GCAGAATCTGTCATCCCAAGTAGTGAACATTTTCATGTAAAACCTGCCTAAGAAGCACAGCGTGGAGCTTG
 GAATAACCATCAGTTCGCCATCCAGTAGAAAACCAGGGGACCCTCTCGTCATTTTCAGATATCAAGAAAGG
 CAGTGTGGCACACAGAAGTGAAGTCTGGAAGTGGAGATAAATTGCTCGCCATAGATAACATCCGGTTG
 GACAGCTGTTCCATGGAAGATGCAGTCCAGATCCTCCAGCAGTGTGAAGACCTGGTGAAGCTCAAAATCC
 GCAAAGATGAAGATAACTCAGATGAGCAAGAGAGTTCCGGGGCGATTATTACACGGTGGAGCTGAAGCG
 CTATGGGGGGCCCTTGGCATCACCATTCTGGAACGGAAGAGCCCTTTGATCCTATTATCATCTCGAGC
 CTACTAAAGGGGGATTAGCTGAAAGGACTGGAGCGATCCACATCGGAGATCGAATCCTAGCCATCAATA
 GCAGTAGCTTGAAGGGGAAGCCTCTGAGTGAAGCCATCCACTTGCTACAGATGGCCGGAGAGACTGTCAC
 CCTGAAAATTAAGAAGCAGACAGATGCTCAACCTGCCTCAAGTCCCAAGAAGCTGCCATCCCCAGCCAC
 TCAAGTGACCTAGGAGATGGTGAGGAGGACCCCTCCCAATACAAAGGCCTGGCAAGCTCTCTGACGTGT
 ACCCTCCACAGTACCAGCGTGGACAGTGTGTGGACTCCTGGGACGGATCTGGAATAGATGCCAGGTA
 TGGGAGTCAAGGCACGACTTTTCAGACTTCAGGGTACAATTTCAACACCTATGACTGGAGGAGTCCGAAG
 AAAAGAGCCAGCCTGTCCCGGTCCCAAGCCTCGAAGCCAGACATACCAGATGTGGGCTTGAGTAATG
 AAGACTGGGACCGTCCACAGCCAGTGGCTTCGCCGGGGCTTCTGACAGTGCAGACGCTGAACAAGAGGA
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 GCAACAATCATGTCCGGGAGCACTATGAGTTTGAATCATGAGGCTCCAACGGCTCGCAGTCAAGTGGGGC
 GACAGGCCAGTTCAGGAACGGAGCAATTCGAGGCCACACTATAGCCAACGACTCGCAGCAACACTCT
 GCCCTCGGATGTGGGAGAAAAGTCTGTGACCCTGCGGAAAATGAAGCAAGAAATCAAGGAGATTATGTCC
 CCAACTCCCGTGGAGCTTACAAGGTGACCTTATACAAAGACTCTGGCATGGAGGACTTTGGGTTCAAGT
 TGGCAGATGGCCTGTGGAGAAAGGGGTGTATGTCAAAAATATCCGCCAGCTGGGCCAGGTGATCTTGG
 AGGCTTGAAGCCTTATGACAGGCTTTACAGGTTAACCACGTCCGAACGAGAGACTTCGACTGCTGCCTG
 GTGGTCCCTCATAGCCGAATCCGGTAACAAGCTGGACTGGTATTAGCAGAAAACCCGCTGGCCTCCC
 AGAAGTCGATAGAACAGCCGGCTCTGCCAGTACTGGAGCGAACAGAACAGCGCTTTCTCCAGCAGCC
 CAGCCACGGTGGTAACCTAGAGACACGAGAACCCTAACACATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_032069

Insert Size:

3339 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_032069.1, NP_114458.1

RefSeq Size:

4527 bp

RefSeq ORF: 3339 bp

Locus ID: 84016

UniProt ID: [P97879](#)

Cytogenetics: 7q22

Gene Summary: binds to the liprin-alpha SVD2 family of proteins to mediate synaptic targeting of AMPA receptors; may play a role in presynaptic and postsynaptic maturation [RGD, Feb 2006]