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Product datasheet for MC229326

Grip1 (NM_001277292) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grip1 (NM_001277292) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grip1
Synonyms:	4931400F03Rik; eb; GRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC229326 representing NM_001277292
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGGCTGGAAGAAGAACATCCCCATCTGCTTACAAGCGGAGGAGCAGGAGAGAGATGAGAGTCCCT
ACACTAAATCTGCCAGCCAGACAAAGCCGCCCGATGGAGCATTGGCTGTGAGGAGACAGAGCATCCCAGA
GGAATTCAAGGGCTCCACAGTGGTGGAGTTGATGAAGAAGGAGGGAACCACTCTTGGCCTGACGGTATCG
GGAGGCATTGATAAAGATGGCAAGCCAAGAGTGTCCAACCTGCGGCAGGGAGGAATCGCTGCCAGAAGTG
ACCAGCTGGATGTGGGCGACTACATCAAGGCGGTGAATGGGATCAACCTGGCCAAGTTCCGCCACGATGA
GATCATCAGCCTGCTGAAAAATGTCGGGGAAAGAGTGGTCCTGGAGGTCGAGTACGAGCTTCCACCGGTC
TCTGTACAAGGATCCAGTGTTATGTTCCGAACTGTGGAGGTCACGCTGCACAAAGAAGGCAACACCTTTG
GTTTTGTCATCCGAGGGGGAGCGCATGATGACAGGAACAAGTCCCGTCCGGTTGTGATAACCTGTGTTCG
TCCTGGAGGGCCTGCTGACAGAGAGGGCACCATCAAACCTGGAGACAGGTTGCTCAGCGTGGATGGAATT
CGGCTCCTGGGAACCACCCATGCCGAGGCCATGAGCATCCTTAAACAGTGCGGACAAGAAGCCACGCTGC
TGATAGAATACGATGTCTCTGTGATGGATTCTGTGGCGACAGCATCCGGGCCACTACTAGTTGAAGTTGC
CAAAACTCCAGGTGCCAGCCTTGGGGTTGCCCTAACTACCTCCGTGTGCTGTAACAAGCAGGTCATTGTC
ATAGACAAAATCAAATCTGCAAGCATTGCGGACAGATGTGGCGCGCTACACGTGGGAGACCACATCCTCT
CCATTGACGGCACGAGTATGGAGTACTGTACCCTCGCAGAAGCGACCCAGTTCCTGGCCAATACCACTGA
CCAGGTCAAGCTGGAGATTCTCCCACACCATCAGACCCGCCTGGCCCTAAAGGGCCCTGACCATGCGGCT
ATGGTGCCCTCATCTTCTCCTACCTCCATGAGTGCGTACAGTCTGAGTTCCCTGAACATGGGGACTTTAC
CTCGAAGCCTCTACTCCACCAGCCCACGAGGAACCATGATGAGGAGGAGACTGAAAAAGAAAGACTTCAA
AAGCTCACTGTCTTTAGCCTCCAGCACTGTGGGGTTGGCTGGCCAGGTCGTTCACACTGAAACCACAGAG
GTTGTGCTGACGGCTGACCCTGTCACGGGCTTCGGAATCCAACTGCAGGGCAGCGTGTTTGCCACAGAGA
CGCTCTCCTCTCCGCCTCTGATTTCCTATATTGAAGCTGACAGCCCAGCAGAGAGATGTGGTGTGCTACA
GATTGGAGACAGAGTCATGGCCATTAATGGAATCCCAACAGAAGACAGCACCTTCGAGGAAGCCAATCAA
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CTCCTGAGAGACTCTTCCATCACGAGCAAAGTCACACTAGAAATCGAGTTTGATGTTGCAGAGTCTGTCA
TCCCAAGTAGTGGAACATTTCATGTAAAACTGCCCAAGAAGCACAGCGTGGAACTTGGAATAACCATCAG
TTCGCCATCCAGTAGAAAACCGGGGGACCCCCTTGTCATTTCAGATATCAAGAAAGGCAGTGTGGCACAC
AGAACCGGAACTCTGGAACTGGGAGACAAACTGCTTGCGATAGATAACATCCGGCTGGATAACTGTTCCA
TGGAAGATGCGGTCCAGATCCTCCAGCAGTGTGAAGACCTGGTGAAGCTCAAAATCCGCAAAGATGAAGA
TAACTCAGACGAGCAAGAGAGTTCCGGAGCGATTATTTACACGGTGGAGCTGAAGCGCTATGGGGGGCCC
CTTGGCATCACAATTTCTGGAACTGAAGAGCCGTTTGATCCTATTATCATCTCGAGCCTCACTAAAGGGG
GATTAGCTGAAAGGACTGGAGCGATCCACATCGGAGATAGAATCCTAGCCATCAATAGCAGCAGCTTGAA
GGGGAAGCCTCTGAGTGAAGCCATCCACTTGCTCCAGATGGCAGGAGAGACTGTCACCCTGAAAATTAAG
AAACAGACAGATGCCCAATCTGCATCAAGTCCCAAGAAGTTCCCCATCCCTGGCCACTCGGGGGACCTAG
GAGATGGTGAGGAGGACCCCTCCCCAATACAGAAACCTGGCAAGCTCTCCGATGCGTACCCCTCCACGGT
GCCCAGCGTGGACAGTGCTGTGGACTCCTGGGATGGGTCTGGAATAGATGCCAGCTATGGGAGTCAAGGC
TCAACTTTTCAGACTTCAGGATACAATTACAACACCTATGATTGGAGGAGTCCAAAGCAAAGAACCAGCC
TGTCCCCAGTCCCCAAGCCTCGAAGCCAGACGTACCCAGATGTGGGCCTGAGTAATGAAGACTGGGATCG
ATCCACAGCCAGTGGCTTTGTAGGGGCTTCTGACAGTGCAGATGCTGAACAAGAGGAAAACTTCTGGTCT
CAAGCATTGGAGGACCTGGAGACCTGCGGCCAGTCGGGGATCCTGAGAGAGCTTGAGGCAACAATCATGT
CGGGGAGTACTATGAGTTTGAATCATGAGGCTCCAATGGCTCGCAGTCAGCTGGGGCGACAGGCCAGCTT
CCAGGAACGGAGCAGTTCACGGCCACACTATAGCCAAACAACTCGCAGCAACACCCTGCCCTCAGACGTG
GGCAGAAAGTCTGTAACCCTGCGGAAAATGAAGCAAGAAATAAAGGAGATCATGTCCCCAACTCCGGTGG
AGCTACACAAGGTGACCTTATACAAGGACTCTGGCATGGAGGACTTCGGGTTCAGTGTGGCAGATGGCCT
GCTGGAGAAAGGCGTGTATGTCAAAAATATCCGCCCAGCTGGGCCAGGTGATGTTGGGGGCTTGAAGCCC
TACGACAGGCTCTTACAGGTAAATCACGTGCGGACGAGAGACTTTGACTGCTGCCTGGTGGTGCCTCTCA
TAGCTGAATCTGGCAACAAGCTGGACCTGGTTATTAGCAGAAATCCACTGGCCTCCCAGAAGTCGATAGA
ACAGCCGGCTCTGCCCAGCGACTGGAGCGAACAGAACAGCGCTTTCTTCCAGCAACCCAGCCACGGTGGT
AATCTAGAGACACGAGAACCCACTAACACACTATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001277292

Insert Size: 3186 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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.

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RefSeq:	NM_001277292.1, NP_001264221.1
RefSeq Size:	5161 bp
RefSeq ORF:	3186 bp
Locus ID:	74053
UniProt ID:	Q925T6
Cytogenetics:	10 67.33 cM
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] Transcript Variant: This variant (4) contains multiple differences, compared to variant 1, including the lack of multiple exons. It represents use of an alternate promoter and initiates translation at an alternate start codon. The encoded isoform (4) is shorter and has a distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

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