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Product datasheet for MC229325

Grip1 (NM_001277294) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grip1 (NM_001277294) 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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>MC229325 representing NM_001277294
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATAGCTGTCTCTTTTAAATGCCGCTGTCAAATTCTAAGGCGACTTACCAAAGATGAGAGTCCCTACA
CTAAATCTGCCAGCCAGACAAAGCCGCCCGATGGAGCATTGGCTGTGAGGAGACAGAGCATCCCAGAGGA
ATTCAAGGGCTCCACAGTGGTGGAGTTGATGAAGAAGGAGGGAACCACTCTTGGCCTGACGGTATCGGGA
GGCATTGATAAAGATGGCAAGCCAAGAGTGTCCAACCTGCGGCAGGGAGGAATCGCTGCCAGAAGTGACC
AGCTGGATGTGGGCGACTACATCAAGGCGGTGAATGGGATCAACCTGGCCAAGTTCCGCCACGATGAGAT
CATCAGCCTGCTGAAAAATGTCGGGGAAAGAGTGGTCCTGGAGGTCGAGTACGAGCTTCCACCGGTCTCT
GTACAAGGATCCAGTGTTATGTTCCGAACTGTGGAGGTCACGCTGCACAAAGAAGGCAACACCTTTGGTT
TTGTCATCCGAGGGGGAGCGCATGATGACAGGAACAAGTCCCGTCCGGTTGTGATAACCTGTGTTCGTCC
TGGAGGGCCTGCTGACAGAGAGGGCACCATCAAACCTGGAGACAGGTTGCTCAGCGTGGATGGAATTCGG
CTCCTGGGAACCACCCATGCCGAGGCCATGAGCATCCTTAAACAGTGCGGACAAGAAGCCACGCTGCTGA
TAGAATACGATGTCTCTGTGATGGATTCTGTGGCGACAGCATCCGGGCCACTACTAGTTGAAGTTGCCAA
AACTCCAGGTGCCAGCCTTGGGGTTGCCCTAACTACCTCCGTGTGCTGTAACAAGCAGGTCATTGTCATA
GACAAAATCAAATCTGCAAGCATTGCGGACAGATGTGGCGCGCTACACGTGGGAGACCACATCCTCTCCA
TTGACGGCACGAGTATGGAGTACTGTACCCTCGCAGAAGCGACCCAGTTCCTGGCCAATACCACTGACCA
GGTCAAGCTGGAGATTCTCCCACACCATCAGACCCGCCTGGCCCTAAAGGGCCCTGACCATGCGGCTATG
GTGCCCTCATCTTCTCCTACCTCCATGAGTGCGTACAGTCTGAGTTCCCTGAACATGGGGACTTTACCTC
GAAGCCTCTACTCCACCAGCCCACGAGGAACCATGATGAGGAGGAGACTGAAAAAGAAAGACTTCAAAAG
CTCACTGTCTTTAGCCTCCAGCACTGTGGGGTTGGCTGGCCAGGTCGTTCACACTGAAACCACAGAGGTT
GTGCTGACGGCTGACCCTGTCACGGGCTTCGGAATCCAACTGCAGGGCAGCGTGTTTGCCACAGAGACGC
TCTCCTCTCCGCCTCTGATTTCCTATATTGAAGCTGACAGCCCAGCAGAGAGATGTGGTGTGCTACAGAT
TGGAGACAGAGTCATGGCCATTAATGGAATCCCAACAGAAGACAGCACCTTCGAGGAAGCCAATCAACTC
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CTGAGAGACTCTTCCATCACGAGCAAAGTCACACTAGAAATCGAGTTTGATGTTGCAGAGTCTGTCATCC
CAAGTAGTGGAACATTTCATGTAAAACTGCCCAAGAAGCACAGCGTGGAACTTGGAATAACCATCAGTTC
GCCATCCAGTAGAAAACCGGGGGACCCCCTTGTCATTTCAGATATCAAGAAAGGCAGTGTGGCACACAGA
ACCGGAACTCTGGAACTGGGAGACAAACTGCTTGCGATAGATAACATCCGGCTGGATAACTGTTCCATGG
AAGATGCGGTCCAGATCCTCCAGCAGTGTGAAGACCTGGTGAAGCTCAAAATCCGCAAAGATGAAGATAA
CTCAGACGAGCAAGAGAGTTCCGGAGCGATTATTTACACGGTGGAGCTGAAGCGCTATGGGGGGCCCCTT
GGCATCACAATTTCTGGAACTGAAGAGCCGTTTGATCCTATTATCATCTCGAGCCTCACTAAAGGGGGAT
TAGCTGAAAGGACTGGAGCGATCCACATCGGAGATAGAATCCTAGCCATCAATAGCAGCAGCTTGAAGGG
GAAGCCTCTGAGTGAAGCCATCCACTTGCTCCAGATGGCAGGAGAGACTGTCACCCTGAAAATTAAGAAA
CAGACAGATGCCCAATCTGCATCAAGTCCCAAGAAGTTCCCCATCCCTGGCCACTCGGGGGACCTAGGAG
ATGGTGAGGAGGACCCCTCCCCAATACAGAAACCTGGCAAGCTCTCCGATGCGTACCCCTCCACGGTGCC
CAGCGTGGACAGTGCTGTGGACTCCTGGGATGGGTCTGGAATAGATGCCAGCTATGGGAGTCAAGGCTCA
ACTTTTCAGACTTCAGGATACAATTACAACACCTATGATTGGAGGAGTCCAAAGCAAAGAACCAGCCTGT
CCCCAGTCCCCAAGCCTCGAAGCCAGACGTACCCAGATGTGGGCCTGAGTAATGAAGACTGGGATCGATC
CACAGCCAGTGGCTTTGTAGGGGCTTCTGACAGTGCAGATGCTGAACAAGAGGAAAACTTCTGGTCTCAA
GCATTGGAGGACCTGGAGACCTGCGGCCAGTCGGGGATCCTGAGAGAGCTTGAGGCAACAATCATGTCGG
GGAGTACTATGAGTTTGAATCATGAGGCTCCAATGGCTCGCAGTCAGCTGGGGCGACAGGCCAGCTTCCA
GGAACGGAGCAGTTCACGGCCACACTATAGCCAAACAACTCGCAGCAACACCCTGCCCTCAGACGTGGGC
AGAAAGTCTGTAACCCTGCGGAAAATGAAGCAAGAAATAAAGGAGATCATGTCCCCAACTCCGGTGGAGC
TACACAAGGTGACCTTATACAAGGACTCTGGCATGGAGGACTTCGGGTTCAGTGTGGCAGATGGCCTGCT
GGAGAAAGGCGTGTATGTCAAAAATATCCGCCCAGCTGGGCCAGGTGATGTTGGGGGCTTGAAGCCCTAC
GACAGGCTCTTACAGGTAAATCACGTGCGGACGAGAGACTTTGACTGCTGCCTGGTGGTGCCTCTCATAG
CTGAATCTGGCAACAAGCTGGACCTGGTTATTAGCAGAAATCCACTGGCCTCCCAGAAGTCGATAGAACA
GCCGGCTCTGCCCAGCGACTGGAGCGAACAGAACAGCGCTTTCTTCCAGCAACCCAGCCACGGTGGTAAT
CTAGAGACACGAGAACCCACTAACACACTATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001277294

Insert Size: 3183 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_001277294.1, NP_001264223.1
RefSeq Size:	5018 bp
RefSeq ORF:	3183 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 (6) lacks two alternate in-frame exons, compared to variant 1. The encoded isoform (6) is shorter than 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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