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Product datasheet for MC223283

Grip1 (NM_133442) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grip1 (NM_133442) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grip1
Synonyms:	4931400F03Rik; eb; GRIP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223283 representing NM_133442 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCGGGCTGGAAGAAGAACATCCCCATCTGCTTACAAGCGGAGGAGCAGGAGAGAGAGGAATTCAAGG GCTCCACAGTGGTGGAGTTGATGAAGAAGGAGGGAACCACTCTTGGCCTGACGGTATCGGGAGGCATTGA TAAAGATGGCAAGCCAAGAGTGTCCAACCTGCGGCAGGGAGGAATCGCTGCCAGAAGTGACCAGCTGGAT GTGGGCGACTACATCAAGGCGGTGAATGGGATCAACCTGGCCAAGTTCCGCCACGATGAGATCATCAGCC TGCTGAAAAATGTCGGGGAAAGAGTGGTCCTGGAGGTCGAGTACGAGCTTCCACCGGTCTCTGTACAAGG ATCCAGTGTTATGTTCCGAACTGTGGAGGTCACGCTGCACAAAGAAGGCAACACCTTTGGTTTTGTCATC CGAGGGGGAGCGCATGATGACAGGAACAAGTCCCGTCCGGTTGTGATAACCTGTGTTCGTCCTGGAGGGC CTGCTGACAGAGAGGGCACCATCAAACCTGGAGACAGGTTGCTCAGCGTGGATGGAATTCGGCTCCTGGG AACCACCCATGCCGAGGCCATGAGCATCCTTAAACAGTGCGGACAAGAAGCCACGCTGCTGATAGAATAC GATGTCTCTGTGATGGATTCTGTGGCGACAGCATCCGGGCCACTACTAGTTGAAGTTGCCAAAACTCCAG GTGCCAGCCTTGGGGTTGCCCTAACTACCTCCGTGTGCTGTAACAAGCAGGTCATTGTCATAGACAAAAT CAAATCTGCAAGCATTGCGGACAGATGTGGCGCGCTACACGTGGGAGACCACATCCTCTCCATTGACGGC ACGAGTATGGAGTACTGTACCCTCGCAGAAGCGACCCAGTTCCTGGCCAATACCACTGACCAGGTCAAGC TGGAGATTCTCCCACACCATCAGACCCGCCTGGCCCTAAAGGGCCCTGACCATGCGGCTATGGTGCCCTC ATCTTCTCCTACCTCCATGAGTGCGTACAGTCTGAGTTCCCTGAACATGGGGACTTTACCTCGAAGCCTC TACTCCACCAGCCCACGAGGAACCATGATGAGGAGGAGACTGAAAAAGAAAGACTTCAAAAGCTCACTGT CTTTAGCCTCCAGCACTGTGGGGTTGGCTGGCCAGGTCGTTCACACTGAAACCACAGAGGTTGTGCTGAC GGCTGACCCTGTCACGGGCTTCGGAATCCAACTGCAGGGCAGCGTGTTTGCCACAGAGACGCTCTCCTCT CCGCCTCTGATTTCCTATATTGAAGCTGACAGCCCAGCAGAGAGATGTGGTGTGCTACAGATTGGAGACA GAGTCATGGCCATTAATGGAATCCCAACAGAAGACAGCACCTTCGAGGAAGCCAATCAACTCCTGAGAGA CTCTTCCATCACGAGCAAAGTCACACTAGAAATCGAGTTTGATGTTGCAGAGTCTGTCATCCCAAGTAGT GGAACATTTCATGTAAAACTGCCCAAGAAGCACAGCGTGGAACTTGGAATAACCATCAGTTCGCCATCCA

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GTAGAAAACCGGGGGACCCCCTTGTCATTTCAGATATCAAGAAAGGCAGTGTGGCACACAGAACCGGAAC
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TGCCCAGCGACTGGAGCGAACAGAACAGCGCTTTCTTCCAGCAACCCAGCCACGGTGGTAATCTAGAGAC
ACGAGAACCCACTAACACACTATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133442

Insert Size: 3105 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_133442.2, NP_597699.1

RefSeq Size: 5080 bp

RefSeq ORF: 3105 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 (3) 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 (3, also known as 1b-short) 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.