

Product datasheet for MC223650

Grip1 (NM_028736) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Grip1 (NM_028736) 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: >MC223650 representing NM_028736
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGATAGCTGTCTCTTTAAATGCCGCTGTCAAATCTAAGGCGACTTACCAAAGATGAGAGTCCCTACA
 CTAATCTGCCAGCCAGACAAAGCCGCCGATGGAGCATTGGCTGTGAGGAGACAGAGCATCCAGAGGA
 ATCAAGGGCTCCACAGTGGTGGAGTTGATGAAGAAGGAGGAACCACTTTGGCCTGACGGTATCGGGA
 GGCAATTGATAAAGATGGCAAGCCAAGAGTGTCCAACCTGCGGCAGGGAGGAATCGCTGCCAGAAGTGACC
 AGCTGGATGTGGGCGACTACATCAAGGCGGTGAATGGGATCAACCTGGCCAAGTCCGCCACGATGAGAT
 CATCAGCCTGCTGAAAAATGTCGGGAAAGAGTGGTCTGGAGGTCGAGTACGAGCTTCCACCGGTCTCT
 GTACAAGGATCCAGTGTATGTTCCGAAGTGTGGAGGTCACGCTGCACAAAGAAGGCAACACCTTTGGTT
 TTGTCATCCGAGGGGGAGCGCATGATGACAGGAACAAGTCCCCTCCGGTTGTGATAACCTGTGTTTCGTCC
 TGGAGGGCCTGCTGACAGAGAGGGCACCATCAAACCTGGAGACAGGTTGCTCAGCGTGGATGGAATTCGG
 CTCCTGGGAACCCCATGCCGAGGCCATGAGCATCCTTAAACAGTCCGGAACAAGAAGCCACGCTGCTGA
 TAGAATACGATGTCTCTGTGATGATTCTGTGGCGACAGCATCCGGCCACTACTAGTTGAAGTTGCCAA
 AACTCCAGGTGCCAGCCTTGGGGTTGCCCTAACTACCTCCGTGTGCTGTAACAAGCAGGTCATTGTCATA
 GACAAAATCAAATCTGCAAGCATTGCGGACAGATGTGGCGCGCTACACGTGGGAGACCACATCCTCTCCA
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 TGAAACCACAGAGGTTGTGCTGACGGCTGACCCTGTCACGGGCTTCGGAATCCAAGTGCAGGGCAGCGTG
 TTTGCCACAGAGACGCTCTCCTCTCCGCTCTGATTTCTATATTGAAGTGCAGAGCCAGCAGAGAGAT



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GTGGTGTGCTACAGATTGGAGACAGAGTCATGGCCATTAAATGGAATCCCAACAGAAGACAGCACCTTCGA
GGAAGCCAATCAACTCCTGAGAGACTCTTCCATCACGAGCAAAGTCACACTAGAAATCGAGTTTGATGTT
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CAGTGTGGCACACAGAACCGGAACCTCTGGAACCTGGGAGACAACTGCTTGCATAGATAACATCCGGCTG
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ACCCCTCCACGGTGGCCAGCGTGGACAGTGTGTGGACTCCTGGGATGGGTCTGGAATAGATGCCAGCTA
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GAGAAAGCTGACAGGCGTGTGTCATTGAGAAACATGACCCCTTTGGCAACAATCATGTCCGGGAGTACTA
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CGTGTATGTCAAAAATATCCGCCAGCTGGGCCAGGTGATGTTGGGGGCTTGAAGCCCTACGACAGGCTC
TTACAGGTAAATCACGTGCGGACGAGAGACTTTGACTGCTGCCTGGTGGTGCCTCATAGCTGAATCTG
GCAACAAGCTGGACCTGTTATTAGCAGAAATCCACTGGCCTCCCAAGAAGTCGATAGAACAGCCGGCTCT
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CGAGAACCCTAACACACTAG
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_028736
- Insert Size:** 3384 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_028736.2](#), [NP_083012.1](#)

RefSeq Size: 5219 bp

RefSeq ORF: 3384 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 (1) represents the longest transcript and encodes the isoform (1, also known as 1a-long). 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.