

Product datasheet for MC223284

Grip1 (NM_130891) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grip1 (NM_130891) 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:	>MC223284 representing NM_130891 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATAGCTGTCTCTTTAAATGCCGCTGTCAAATTCTAAGGCGACTTACCAAAGAGGAATTCAAGGGCT
CCACAGTGGTGGAGTTGATGAAGAAGGAGGGAACCACTCTTGGCCTGACGGTATCGGGAGGCATTGATAA
AGATGGCAAGCCAAGAGTGTCCAACCTGCGGCAGGGAGGAATCGCTGCCAGAAGTGACCAGCTGGATGTG
GGCGACTACATCAAGGCGGTGAATGGGATCAACCTGGCCAAGTTCGCCACGATGAGATCATCAGCCTGC
TGAAAAATGTCGGGAAAGAGTGGTCTGGAGGTCGAGTACGAGCTTCCACCGGTCTCTGTACAAGGATC
CAGTGTATGTTCCGAAGTGTGGAGGTCACGCTGCACAAAGAAGGCAACACCTTTGGTTTTGTATCCGA
GGGGGAGCGCATGATGACAGGAACAAGTCCCGTCCGGTTGTGATAACCTGTGTTCTGCTGGAGGGCCTG
CTGACAGAGAGGGCACCATCAAACCTGGAGACAGGTTGCTCAGCGTGGATGGAATTCGGCTCCTGGGAAC
CACCCATGCCGAGGCCATGAGCATCCTTAACAGTGCGGACAAGAAGCCACGCTGCTGATAGAATACGAT
GTCTCTGTGATGGATTCTGTGGCGACAGCATCCGGGCCACTACTAGTTGAAGTTGCCAAAACCTCCAGGTG
CCAGCCTTGGGGTTGCCCTAACCTCCGTGTGCTGTAACAAGCAGGTCATTGTATAGACAAAATCAA
ATCTGCAAGCATTGCGGACAGATGTGGCGCTACACGTGGGAGACCACATCCTCTCCATTGACGGCACG
AGTATGGAGTACTGTACCCTCGCAGAAGCGACCCAGTTCCTGGCCAATACCACTGACCAGGTCAAGTGG
AGATTCTCCACACCATCAGACCCGCTGGCCCTAAAGGGCCCTGACCATGCGGCTATGGTGCCCTCATC
TTCTCCTACCTCCATGAGTGCCTACAGTCTGAGTTCCTGAACATGGGGACTTTACCTCGAAGCCTCTAC
TCCACCAGCCACGAGGAACCATGATGAGGAGGAGACTGAAAAAGAAAGACTTCAAAGCTCACTGTCTT
TAGCCTCCAGCACTGTGGGTTGGCTGGCCAGGTGTTACACTGAAACCACAGAGGTTGTGCTGACGGC
TGACCCTGTACGGGCTTCGGAATCCAACCTGCAGGGCAGCGTGTGGCCACAGAGACGCTCCTCTCCG
CCTCTGATTTCTATATTGAAGCTGACAGCCAGCAGAGAGATGTGGTGTGCTACAGATTGGAGACAGAG
TCATGGCCATTAATGGAATCCCAACAGAAGACAGCACCTTCGAGGAAGCCAATCAACTCCTGAGAGACTC
TTCCATACGAGCAAAGTCACTAGAAATCGAGTTTGATGTTGCAGAGTCTGTCATCCCAAGTAGTGGA
ACATTTTCATGTAATACTGCCAAGAAGCACAGCGTGGAATTGGAATAACCATCAGTTCCGCATCCAGTA



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GAAAACCGGGGACCCCTTGTCATTTTCAGATATCAAGAAAGGCAGTGTGGCACACAGAACCAGAACTCT
 GGAAGTGGGAGACAACTGCTTGCATAGATAACATCCGGCTGGATAACTGTTCCATGGAAGATGCGGTC
 CAGATCCTCCAGCAGTGTGAAGACCTGGTGAAGCTCAAAATCCGCAAAGATGAAGATAACTCAGACGAGC
 AAGAGAGTTCCGGAGCGATTATTTACACGGTGGAGCTGAAGCGCTATGGGGGGCCCTTGGCATCACAAT
 TTCTGGAAGTGAAGAGCCGTTTGTATCCTATTATCATCTCGAGCCTCACTAAAGGGGGATTAGCTGAAAGG
 ACTGGAGCGATCCACATCGGAGATAGAATCCTAGCCATCAATAGCAGCAGCTTGAAGGGGAAGCCTCTGA
 GTGAAGCCATCCACTTGTCTCCAGATGGCAGGAGAGACTGTCACCCTGAAAATTAAGAAACAGACAGATGC
 CCAATCTGCATCAAGTCCCAAGAAGTTCCCATCCCTGGCCACTCGGGGGACCTAGGAGATGGTGAGGAG
 GACCCCTCCCAATACAGAAACCTGGCAAGCTCTCCGATGCGTACCCCTCCACGGTGGCCAGCGTGGACA
 GTGCTGTGGACTCCTGGGATGGGTCTGGAATAGATGCCAGCTATGGGAGTCAAGGCTCAACTTTTCAGAC
 TTCAGGATACAATTACAACACCTATGATTGGAGGAGTCCAAGCAAGAACCAGCCTGTCCCCAGTCCCC
 AAGCCTCGAAGCCAGACGTACCCAGATGTGGCCCTGAGTAAAGACTGGGATCGATCCACAGCCAGTG
 GCTTTGTAGGGGCTTCTGACAGTGCAGATGCTGAACAAGAGGAAAACCTTCTGGTCTCAAGCATTGGAGGA
 CCTGGAGACCTGCGGCCAGTCCGGGATCCTGAGAGAGCTTGAAGCAACAATCATGTGGGGAGTACTATG
 AGTTTGAATCATGAGGCTCCAATGGCTCGCAGTCACTGGGGCGACAGGCCAGCTTCCAGGAACGGAGCA
 GTTCACGGCCACACTATAGCCAAACAACCTGCAGCAACACCCTGCCCTCAGACGTGGGCAGAAAGTCTGT
 AACCTGCGGAAAATGAAGCAAGAAATAAAGGAGATCATGTCCCAACTCCGGTGGAGCTACACAAGGTG
 ACCTTATACAAGGACTCTGGCATGGAGGACTTCGGGTTCACTGTGGCAGATGGCCTGCTGGAGAAAGGCG
 TGTATGTCAAAAATATCCGCCAGCTGGGCCAGGTGATGTTGGGGGCTTGAAGCCCTACGACAGGCTCTT
 ACAGGTAATCACGTGCGGACGAGAGACTTTGACTGCTGCCTGGTGGTGCCTCTCATAGCTGAATCTGGC
 AACAGCTGGACCTGGTTATTAGCAGAAATCCACTGGCCTCCAGAAGTCGATAGAACAGCCGGCTCTGC
 CCAGCGACTGGAGCGAACAGACAGCGCTTTCTCCAGCAACCCAGCCACGGTGGTAATCTAGAGACAGC
 AGAACCCACTAACACACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_130891

Insert Size:

3102 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_130891.2, NP_570961.1

RefSeq Size:

4937 bp

RefSeq ORF:

3102 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 (2) lacks two alternate in-frame exons, compared to variant 1. The encoded isoform (2, also known as 1a-short) 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.