

Product datasheet for **MC228533**

Grip1 (NM_001277295) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grip1 (NM_001277295) 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



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Fully Sequenced ORF: >MC228533 representing NM_001277295
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGCAAACGAGCTGAAAGGAAGGAGATGAAGAGACCCAATAGTTTTCACCTTCCTTTTCGTCCAT
 CTTTAAGAAAAGGACAGAAAGAAAACGCAGCTCATGTGTCTTTAGCCTCCAGCACTGTGGGGTTGGCTGG
 CCAGGTCGTTCACTGAAACCACAGAGTTGTGCTGACGGCTGACCCTGTCACGGGCTTCGGAATCCAA
 CTGACAGGCGAGCTGTTGCCACAGAGACGCTCTCCTCTCCGCTCTGATTTCTATATTGAAGCTGACA
 GCCCAGCAGAGAGATGTGGTGTGCTACAGATTGGAGACAGAGTATGGCCATTAATGGAATCCCAACAGA
 AGACAGCACCTTCGAGGAAGCCAATCAACTCTGAGAGACTTCCATCACGAGCAAAGTACACATAGAA
 ATCGAGTTTGATGTTGCAGAGTCTGTCATCCCAAGTAGTGAACATTTTCATGAAAAGTCCCAAGAAGC
 ACAGCGTGGAACTTGAATAACCATCAGTTCGCCATCCAGTAGAAAACCGGGGACCCCTTGTCAATTC
 AGATATCAAGAAAGGCAGTGTGGCACACAGAACCAGCACTCTGGAAGTGGGAGACAACTGCTTGCAGTA
 GATAACATCCGGCTGGATAACTGTTCCATGGAAGATGCGGTCCAGATCCTCCAGCAGTGTGAAGACCTGG
 TGAAGCTCAAAATCCGCAAGATGAAGATAACTCAGACGAGCAAGAGAGTTCGGGAGCGATTATTTACAC
 GGTGGAGCTGAAGCGCTATGGGGGGCCCTTGGCATCACAAATTTCTGGAAGTGAAGAGCCGTTTGTCTCT
 ATTATCATCTCGAGCCTCACTAAAGGGGATTAGCTGAAAGGACTGGAGCGATCCACATCGGAGATAGAA
 TCCTAGCCATCAATAGCAGCAGCTTGAAGGGGAAGCCTCTGAGTGAAGCCATCCACTTGTCCAGATGGC
 AGGAGAGACTGTCACCCTGAAAATTAAGAAACAGACAGATGGCTCAACTTTTCAGACTTCAGGATACAAT
 TACAACACCTATGATTGGAGGAGTCAAAGCAAAGAACCAGCCTGTCCCCAGTCCCAAGCCTCGAAGCC
 AGACGTACCCAGATGTGGCCTGAGTAATGAAGACTGGGATCGATCCACAGCCAGTGGCTTGTAGGGGC
 TTCTGACAGTGCAGATGCTGAACAAGAGGAAAACCTCTGGTCTCAAGCATTGGAGGACCTGGAGACCTGC
 GGCCAGTCGGGGATCCTGAGAGAGCTTGAGGCAACAATCATGTGCGGGAGTACTATGAGTTTGAATCATG
 AGGCTCCAATGGCTCGCAGTCAGCTGGGGGACAGGCCAGCTTCCAGGAACGGAGCAGTTCACGGCCACA
 CTATAGCCAAACAACCTCGCAGCAACACCCTGCCCTCAGACGTGGGCAGAAAGTCTGTAACCTGCGGAAA
 ATGAAGCAAGAAATAAGGAGATCATGTCCCAACTCCGGTGGAGCTACACAAGGTGACCTTATACAAGG
 ACTCTGGCATGGAGGACTTCGGGTTGAGTGTGGCAGATGGCCTGCTGGAGAAAGCGTGTATGTCAAAAA
 TATCCGCCAGCTGGGCCAGGTGATGTTGGGGCTTGAAGCCCTACGACAGGCTTTACAGGTAATCAC
 GTGCGGACGAGAGACTTTGACTGCTGCCTGGTGGTGCCTCTCATAGCTGAATCTGGAACAAGCTGGACC
 TGGTTATTAGCAGAAATCCACTGGCCTCCAGAAAGTGCATAGAACAGCCGGCTCTGCCACGCGACTGGAG
 CGAACAGAACAGCGCTTTCTTCCAGCAACCCAGCCACGGTGGTAACTTAGAGACACGAGAACCCTAAAC
 AACTATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001277295

Insert Size: 1899 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:	<ol style="list-style-type: none">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:	<u>NM_001277295.1</u> , <u>NP_001264224.1</u>
RefSeq Size:	3758 bp
RefSeq ORF:	1899 bp
Locus ID:	74053
UniProt ID:	<u>Q925T6</u>
Cytogenetics:	10 67.33 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (7) 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 (7, also known as tau) is shorter and has a distinct N-terminus, compared to isoform 1. This isoform is localized to the nucleus (PMID: 15507123). 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.</p>