

Product datasheet for MR222906

Grip1 (NM_028736) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grip1 (NM_028736) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Grip1
Synonyms:	4931400F03Rik; eb; GRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222906 representing NM_028736 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGATAGCTGTCTCTTTTAAATGCCGCTGTCAAATTCTAAGGCGACTTACCAAAGATGAGAGTCCCTACA
CTAAATCTGCCAGCCAGACAAAGCCGCCGATGGAGCATTGGCTGTGAGGAGACAGAGCATCCCAGAGGA
ATTCAAGGGCTCCACAGTGGTGGAGTTGATGAAGAAGGAGGGAACCACTTTGGCCTGACGGTATCGGGA
GGCATTGATAAAGATGGCAAGCCAAGAGTGTCCAACCTGCGGCAGGGAGGAATCGCTGCCAGAAGTGACC
AGCTGGATGTGGGCGACTACATCAAGGCGGTGAATGGGATCAACCTGGCCAAGTTCGCCACGATGAGAT
CATCAGCCTGCTGAAAAATGTCGGGAAAGAGTGGTCTGGAGGTCGAGTACGAGCTTCCACCGTCTCT
GTACAAGGATCCAGTGTATGTTCCGAACCTGTGGAGGTCACGCTGCACAAAGAAGGCAACACCTTTGGTT
TTGTATCCGAGGGGGAGCGCATGATGACAGGAACAAGTCCCCTCCGGTTGTGATAACCTGTGTTTCGTCC
TGGAGGGCCTGTGACAGAGAGGGCACCATCAAACCTGGAGACAGGTTGCTCAGCGTGGATGGAATTCGG
CTCCTGGGAACCCCATGCCGAGGCCATGAGCATCCTTAAACAGTGGGACAAGAAGCCACGCTGTGTA
TAGAATACGATGTCTCTGTGATGATTCTGTGGCGACAGCATCCGGGCCACTACTAGTTGAAGTTGCCAA
AACTCCAGGTGCCAGCCTTGGGGTTGCCCTAACTACCTCCGTGTGCTGTAACAAGCAGGTCATTGTCATA
GACAAAATCAAATCTGCAAGCATTGCGGACAGATGTGGCGGCTACACGTGGGAGACCACATCCTGCCA
TTGACGGCAGGATATGGAGTACTGTACCCTCGCAGAAGCGACCCAGTTCCTGGCCAATACCCTGACCA
GGTCAAGCTGGAGATTCTCCACACCCATCAGACCCGCTGGCCCTAAAGGGCCCTGACCATGTGAAAATT
CAGAGGAGCGACAGACAACATCCCTGGGATGCCTGGGCCAGCAACCAGTGCAGGCTTCATACCAACCATC
ACCATAACACGTACCACCCAGACCATTGCAGAGTGCAGCCCTGACTTTCCCGAAAGCGCTTCTCCAAA
CAGCCCTCCGGCTATGGTGCCCTCATCTTCTCCTACCTCCATGAGTGCCTACAGTCTGAGTTCCTGAAC
ATGGGGACTTTACCTCGAAGCCTCTACTCCACCAGCCACGAGGAACCATGATGAGGAGGAGACTGAAAA
AGAAAGACTTCAAAGCTCACTGTCTTTAGCCTCCAGCACTGTGGGGTTGGCTGGCCAGGTCGTTACAC
TGAAACCACAGAGTTGTGCTGACGGCTGACCCTGTCACGGGCTTCGGAATCCAACCTGCAGGGCAGCGTG



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TTTGCCACAGAGACGCTCTCCTCTCCGCCTCTGATTCCTATATTGAAGCTGACAGCCCAGCAGAGAGAT
GTGGTGTGCTACAGATTGGAGACAGAGTCATGGCCATTAAATGGAATCCCAACAGAAGACAGCACCTTCGA
GGAAGCCAATCAACTCCTGAGAGACTCTCCATCACGAGCAAAGTCACACTAGAAATCGAGTTTGATGTT
GCAGAGTCTGTATCCCAAGTAGTGAACATTTTCATGTAAACTGCCAAGAAGCACAGCGTGGAACCTG
GAATAACCATCAGTTCGCCATCCAGTAGAAAACCGGGGACCCCTTGTCATTTTCAGATATCAAGAAAGG
CAGTGTGGCACACAGAACCAGAACTCTGGAAGTGGGAGACAACTGCTTGCATAGATAACATCCGGCTG
GATAACTGTTCCATGGAAGATGCGGTCCAGATCCTCCAGCAGTGTGAAGACCTGGTGAAGCTCAAATCC
GCAAAGATGAAGATAACTCAGACGAGCAAGAGAGTTCGGGAGCGATTATTTACACGGTGGAGCTGAAGCG
CTATGGGGGGCCCTTGGCATCACAAATTTCTGGAAGTGAAGAGCCGTTTGATCCTATTATCATCTCGAGC
CTCACTAAAGGGGATTAGCTGAAAGGACTGGAGCGATCCACATCGGAGATAGAATCCTAGCCATCAATA
GCAGCAGCTTGAAGGGGAAGCCTCTGAGTGAAGCCATCCACTTGCTCCAGATGGCAGGAGAGACTGTCAC
CCTGAAAATTAAGAAACAGACAGATGCCAATCTGCATCAAGTCCCAAGAAGTTCCTCCATCCCTGGCCAC
TCGGGGGACCTAGGAGATGGTGAAGGAGACCCCTCCCAATACAGAAACCTGGCAAGCTCTCCGATGCGT
ACCCCTCCACGGTCCCAGCGTGGACAGTGTGTGGACTCCTGGGATGGGTCTGGAATAGATGCCAGCTA
TGGGAGTCAAGGCTCAACTTTTCAGACTTCAGGATACAATTACAACACCTATGATTGGAGGAGTCCAAAG
CAAAGAACCAGCCTGTCCCAGTCCCAAGCCTCGAAGCCAGACGTACCCAGATGTGGGCCTGAGTAATG
AAGACTGGGATCGATCCACAGCCAGTGGCTTTGTAGGGGCTTCTGACAGTGCAGATGCTGAACAAGAGGA
AACTTCTGGTCTCAAGCATTGGAGGACCTGGAGACCTGCGGCCAGTCCGGGATCCTGAGAGAGCTTGAG
GAGAAAGCTGACAGGCGTGTGTCATTGAGAAACATGACCCTCTTGGCAACAATCATGTCCGGGAGTACTA
TGAGTTTGAATCATGAGGCTCCAATGGCTCGCAGTCAGCTGGGGCGACAGGCCAGCTTCCAGGAACGGAG
CAGTTCACGGCCACACTATAGCCAAACAACCTCGCAGCAACACCCTGCCCTCAGACGTGGGCAGAAAGTCT
GTAACCCTGCGGAAAATGAAGCAAGAAAATAAGGAGATCATGTCCCAACTCCGGTGGAGCTACACAAGG
TGACCTTATACAAGGACTCTGGCATGGAGGACTTCGGGTTTCAGTGTGGCAGATGGCCTGCTGGAGAAAGG
CGTGTATGTCAAAAATATCCGCCAGCTGGGCCAGGTGATGTTGGGGGCTTGAAGCCCTACGACAGGCTC
TTACAGGTAATCAGTGCAGGACGAGAGACTTTGACTGCTGCCTGGTGGTGCCTCTCATAGCTGAATCTG
GCAACAAGCTGGACCTGTTATTAGCAGAAATCCACTGGCCTCCAGAAAGTCGATAGAACAGCCGGCTCT
GCCAGCGACTGGAGCGAACAGAACAGCGCTTTCTCCAGCAACCCAGCCACGGTGGTAATCTAGAGACA
CGAGAACCCTAACACACTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_028736.2 , NP_083012.1
RefSeq Size:	3537 bp
RefSeq ORF:	3384 bp
Locus ID:	74053
UniProt ID:	Q925T6
Cytogenetics:	10 67.33 cM
MW:	122.5 kDa
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]

