

Product datasheet for **MG223003**

Grip1 (NM_130891) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grip1 (NM_130891) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Grip1
Synonyms:	4931400F03Rik; eb; GRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223003 representing NM_130891 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGATAGCTGTCTCTTTTAAATGCCGCTGTCAAATTCTAAGGCGACTTACCAAAGAGGAATTCAAGGGCT
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AGAACCCACTAACACACTA
    
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG223003 representing NM_130891
 Red=Cloning site Green=Tags(s)

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GGAHDDRNRKSRPVVITCVRPGPADREGTIKPGDRLLSVDGIRLLGTTTHAEAMSILKQCQGEATLLIEYD
VSMDSVATASGPLLVEVAKTPGASLGVALTTSVCCNKQVIVIDKIKSASIAADRCGALHVGHDHLSIDGT
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TRTRPLE – GFP Tag – V

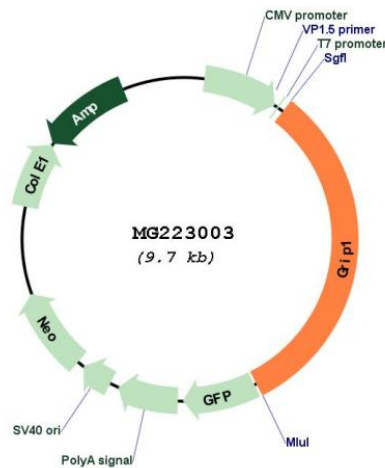
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_130891

ORF Size: 3099 bp

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_130891.2 , NP_570961.1
RefSeq Size:	3255 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]