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Product datasheet for RC230635

GRIP1 (NM_001178074) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRIP1 (NM_001178074) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GRIP1
Synonyms:	FRASRS3; GRIP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC230635 representing NM_001178074 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGATAGCTGTCTCTTTTAAATGCCGTTGTCAAATTCTGAGGCGACTTACTAAAGATGAGAGTCCCTACA CTAAATCCGCCAGCCAGACAAAGCCGCCTGATGGAGCGTTGGCTGTGAGGAGACAGAGCATCCCAGAGGA ATTCAAGGGCTCCACAGTCGTCGAGCTGATGAAGAAGGAAGGCACTACCCTGGGTCTGACGGTATCGGGA GGAATTGATAAGGATGGCAAGCCAAGAGTATCTAATCTGCGGCAAGGAGGAATTGCTGCTAGAAGTGACC AGCTGGATGTGGGTGACTACATCAAAGCAGTGAATGGAATCAACCTGGCCAAATTCCGCCATGACGAGAT CATCAGCTTGCTGAAGAATGTGGGAGAAAGAGTGGTTCTTGAAGTAGAGTACGAGCTTCCACCGGTCTCT GTGCAAGGATCAAGTGTTATTTTCCGAACAGTGGAGGTCACATTACATAAAGAAGGCAATACCTTTGGTT TTGTAATTCGAGGGGGAGCACATGATGATAGAAATAAATCTCGTCCAGTTGTGATAACATGTGTTCGTCC TGGAGGGCCTGCTGACAGAGAGGGCACGATCAAACCCGGTGACAGGTTGCTCAGTGTGGATGGAATTCGG CTTCTTGGAACTACGCATGCTGAAGCCATGAGTATTCTTAAACAATGTGGACAAGAAGCAGCACTGCTGA TAGAATATGATGTCTCAGTAATGGACTCTGTGGCAACAGCATCCGGGCCACTACTAGTCGAAGTTGCCAA AACTCCTGGTGCCAGCCTTGGGGTTGCCCTAACTACCTCGATGTGCTGTAACAAACAAGTCATTGTCATA GACAAAATCAAATCTGCAAGTATTGCAGACAGATGTGGCGCATTGCATGTGGGAGATCACATCCTCTCCA TCGATGGAACCAGCATGGAGTACTGTACACTTGCAGAAGCAACCCAGTTCCTGGCCAACACCACTGACCA GGTCAAGCTTGAGATCCTTCCCCATCATCAGACCCGGCTGGCCCTAAAGGGGCCCGACCATGCAGCTTTG GTGTCTTCATCCTTCTCTCCTACCTCCATGAGTGCATACAGCCTGAGTTCCCTGAACATGGGGACTCTAC CTCGAAGCCTCTACTCCACCAGCCCACGTGGAACCATGATGAGGAGGAGACTGAAAAAGAAAGACTTCAA AAGCTCATTGTCCTTAGCCTCCAGCACAGTAGGATTGGCTGGGCAGGTTGTTCACACAGAAACCACAGAG GTTGTGCTGACGGCAGATCCTGTCACAGGATTTGGGATCCAACTGCAGGGCAGTGTGTTTGCCACAGAAA CTCTCTCTTCTCCACCTCTGATTTCCTATATCGAAGCTGACAGCCCAGCAGAGAGATGTGGGGTGCTACA GATTGGAGACAGAGTGATGGCCATCAATGGAATTCCAACAGAAGACAGCACCTTCGAAGAAGCCAGTCAG CTCCTCCGAGACTCTTCAATCACGAGCAAGGTCACACTGGAAATCGAGTTTGATGTTGCAGAGTCTGTCA

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Protein Sequence:

>RC230635 representing NM_001178074
Red=Cloning site Green=Tags(s)

MIAVSFKCRCQILRRLTKDESPYTKSASQTKPPDGALAVRRQSIPEEFKGSTVVELMKKEGTTLGLTVSG
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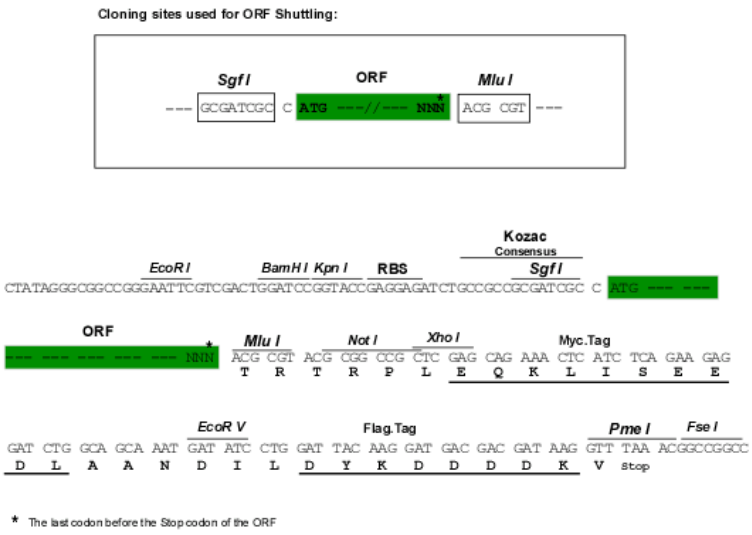
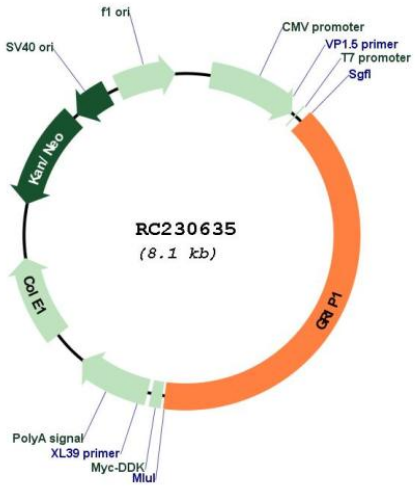
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001178074
ORF Size:	3183 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:	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_001178074.2
RefSeq ORF:	3186 bp
Locus ID:	23426
UniProt ID:	Q9Y3R0
Cytogenetics:	12q14.3
Protein Families:	Druggable Genome
MW:	115 kDa
Gene Summary:	This gene encodes a member of the glutamate receptor interacting protein family. The encoded scaffold protein binds to and mediates the trafficking and membrane organization of a number of transmembrane proteins. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, May 2010]