

## Product datasheet for **RG230635**

### GRIP1 (NM\_001178074) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GRIP1 (NM_001178074) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GRIP1
Synonyms:	FRASRS3; GRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230635 representing NM_001178074 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATAGCTGTCTCTTTTAAATGCCGTTGTCAAATTCGAGGGCGACTTACTAAAGATGAGAGTCCCTACA  
CTAAATCCGCCAGCCAGACAAAGCCGCCTGATGGAGCGTTGGCTGTGAGGAGACAGAGCATCCAGAGGA  
ATTCAAGGGCTCCACAGTCGTCGAGCTGATGAAGAAGGAAGGCACTACCTGGGTCTGACGGTATCGGGA  
GGAATTGATAAAGGATGGCAAGCCAAGAGTATCTAATCTGCGGCAAGGAGGAATTGCTGCTAGAAGTGACC  
AGCTGGATGTGGGTGACTACATCAAAGCAGTGAATGGAATCAACCTGGCCAAATTCGCCATGACGAGAT  
CATCAGCTTGCTGAAGAATGTGGGAGAAAGAGTGGTCTTGAAGTAGAGTACGAGCTCCACCGGTCTCT  
GTGCAAGGATCAAGTGTATTTTCCGAACAGTGGAGGTCACATTACATAAAGAAGGCAATACCTTTGGTT  
TTGTAATTCGAGGGGGAGCACATGATGATAGAAAATAATCTCGTCCAGTTGTGATAACATGTGTTTCGTC  
TGGAGGGCCTGCTGACAGAGAGGGCAGCATCAAACCCGGTACAGGTTGCTCAGTGTGGATGGAATTCGG  
CTTCTTGGAACTACGCATGCTGAAGCCATGAGTATTCTTAAACAATGTGGACAAGAAGCAGCACTGCTGA  
TAGAATATGATGTCTCAGTAATGGACTCTGTGGCAACAGCATCCGGGCCACTACTAGTCGAAGTTGCCAA  
AACTCCTGGTGCCAGCCTTGGGGTTGCCCTAACTACCTCGATGTGCTGTAAACAAACAAGTCATTGTCATA  
GACAAAATCAAATCTGCAAGTATTGCAGACAGATGTGGCGCATTGCATGTGGGAGATCACATCCTCTCCA  
TCGATGGAACCAGCATGGAGTACTGTACACTTGCAGAAGCAACCCAGTTCCTGGCCAACACCAGTACCA  
GGTCAAGCTTGAGATCCTTCCCCATCATCAGACCCGGCTGGCCCTAAAGGGGCCGACCATGCGACTTTG  
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GATTGGAGACAGAGTGTGGCCATCAATGGAATCCAACAGAAGACAGCACCTTCAAGAAGCCAGTCAG



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CTCCTCCGAGACTCTTCAATCACGAGCAAGGTCACACTGGAAATCGAGTTTGATGTTGCAGAGTCTGTCA
TCCAAGTAGTGGAACTTTTCATGTAAAGCTGCCTAAGAAGCACAATGTGGAAGTGAATAACCATAAAG
TTCACCATCCAGTAGAAAACCAGGAGACCCCTCGTCAATTCAGATATCAAGAAAGGGAGTGTGGCACAC
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TGAAGATGCAGTTCAGATCCTCCAGCAATGTGAAGACCTGGTGAAGCTCAAAATCCGCAAAGATGAAGA
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ACTGGAGAAAGGAGTGTATGTCAAAAATATTCGCCAGCTGGGCCAGGAGATCTTGGTGGCTTAAAGCCC
TATGACAGGCTTACAGGTGAATCATGTCCGAACCAGAGACTTTGACTGCTGCCTTGTGTGCCCTCA
TAGCAGAATCCGGGAATAAGCTGGACCTGGTTATTAGTAGAAACCAACTGGCTTACAGAAGTCTATAGA
CCAACAGAGTCTACCAGGAGATTGGAGTGAACAGAACAGTGTCTTTTTTCCAGCAGCCTAGCCACGGTGGT
AATTTGGAGACACGAGAACCCTAATACATTA

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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG230635 representing NM\_001178074

Red=Cloning site Green=Tags(s)

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MIAVSFKRCRCQILRRLTKDESPYTKSASQTKPPDGALAVRRQSIPEEFKSTVVLMKKEGTTLGLTVSG
GIDKDGKPRVSNLRQGGIAARSDQLDVGDIKAVNGINLAKFRHDEIISLLKNVGERVVLEVEYELPPVS
VQGSIVIFRTVEVTLHKEGNTFGFVIRGGAHDDRNSRPVVITCVRPGPADREGTIKPGDRLLSVDGIR
LLGTTAEAMSILKQCGQEAALLIEYDVSVMDSVATASGPLLVEVAKTPGASLGVALTSMCCNKQVIVI
DKIKSASIAIDRCGALHVGDHILSIDGTSMEYCTLAEQFLANTDQVKLEILPHHQTRLALKGPDHAAL
VSSSFSPSMSAYSLSLNMGTLPRLYSTSPRGTMRRRLKKKDFKSSLASSTVGLAGQVVHTETTE
VVLTAAPVTFGFIQLQGSVFATETLSSPPLISYIEADSPAERCGVLQIGDRVMAINGIPTEDSTFEEASQ
LLRDSSITSKVTLIEFDVAESVIPSSGTFHVKLPKKNHVELGITISSPSSRKPGDPLVISDIKKGVAH
RTGTLELGDKLLAIDNIRLDNCSMEDAVQILQQCEDLVKLRKEDNSDEQESSGAIITYVELKRYGGP
LGITISGTEEPFDPIIISLTKGGLAERTGAIHIGDRILAINSSSLKKGKPLSEAIHLLQMAGETVTLKIK
KQTDQASASSPKKFPISSHLSDLGDVEEDSSPAQKPGKLSMYPSTVPSVDSAVDSWDGSAIDTSYGTQG
TSFQASGYNFNTYDWRSPKQRGSLSPVTKPRSQTYPDVGLSYEDWDRSTASGFAGAADSAAETEQEENFWS
QALDLETCGQSGILRELEATIMSGTMSLNHEAPTPRSQLGRQASQFQERSRPHYSQTTTRSNTLPSDV
GRKSVTLRKMKEIKEIMSPTVELHKVTLKDSMEDFGFSVADGLLEKGVYVKNIRPAGPGDLGGLKP
YDRLLQVNHVTRDFDCCLVPLIAESGNKLDLVISRNPLASQKSIDQQSLPGDWSEQNSAFFQQPSHGG
NLETREPTNTL

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TRTRPLE – GFP Tag – V

**Restriction Sites:**

SgfI-MluI



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001178074.2</u>
<b>RefSeq Size:</b>	5015 bp
<b>RefSeq ORF:</b>	3186 bp
<b>Locus ID:</b>	23426
<b>UniProt ID:</b>	<u>Q9Y3R0</u>
<b>Cytogenetics:</b>	12q14.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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]