

Product datasheet for **SC329273**

GRIP1 (NM_001178074) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRIP1 (NM_001178074) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRIP1
Synonyms:	FRASRS3; GRIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001178074, the custom clone sequence may differ by one or more nucleotides

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ATGATAGCTGTCTCTTTTAAATGCCGTTGTCAAATTCTGAGGCGACTTACTAAAGATGAG
AGTCCCTACACTAAATCCGCCAGCCAGACAAGCCGCTGATGGAGCGTTGGCTGTGAGG
AGACAGAGCATCCCAGAGGAATTCAAGGGCTCCACAGTCGTCGAGCTGATGAAGAAGGAA
GGCACTACCCTGGGTCTGACGGTATCGGGAGGAATTGATAAAGGATGGCAAGCCAAGAGTA
TCTAATCTGCGGCAAGGAGGAATTGCTGCTAGAAGTGACCAGCTGGATGTGGGTGACTAC
ATCAAAGCAGTGAATGGAATCAACCTGGCCAAATCCGCCATGACGAGATCATCAGCTTG
CTGAAGAATGTGGGAGAAAGAGTGGTCTTGAAGTAGAGTACGAGCTTCCACCGTCTCT
GTGCAAGGATCAAGTGTATTTTCCGAACAGTGGAGGTACATTACATAAAGAAGGCAAT
ACCTTTGGTTTTGTAATTCGAGGGGAGCACATGATGATAGAAAATAAATCTCGTCCAGTT
GTGATAACATGTGTTTCGTCTGGAGGGCCTGCTGACAGAGAGGGCACGATCAAACCCGGT
GACAGGTTGCTCAGTGTGGATGGAATTCGGCTTCTTGAACTACGCATGCTGAAGCCATG
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GCCAGCCTTGGGGTTGCCCTAACCTCGATGTGCTGTAAACAACAAGTCATTGTCATA
GACAAAATCAAATCTGCAAGTATTGCAGACAGATGTGGCGCATTGCATGTGGGAGATCAC
ATCCTCTCCATCGATGGAACCAGCATGGAGTACTGTACTTGCAGAAGCAACCCAGTTC
CTGGCCAACCACTGACCAGGTCAAGCTTGAGATCCTTCCCCATCATCAGACCCGGCTG
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AGTGCATACAGCCTGAGTTCCCTGAACATGGGGACTCTACCTCGAAGCCTCTACTCCACC
AGCCCACGTGGAACCATGATGAGGAGGAGACTGAAAAAGAAAGACTTCAAAGCTCATTG
TCCTTAGCCTCCAGCACAGTAGGATTGGCTGGGCAGGTTGTTACACAGAAACCACAGAG
GTTGTGCTGACGGCAGATCCTGTACAGGATTTGGGATCCAAGTGCAGGGCAGTGTGTTT
GCCACAGAACTCTCTTCTCCACCTCTGATTTCTATATCGAAGCTGACAGCCCAGCA
GAGAGATGTGGGGTGTACAGATTGGAGACAGAGTATGGCCATCAATGGAATTCACA
GAAGACAGCACCTTCGAAGAAGCCAGTCAGCTCCTCCGAGACTCTCAATCACGAGCAAG

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GTCACACTGAAAATCGAGTTTGTGTTGCAGAGTCTGTCATCCCAAGTAGTGAACATTT
 CATGTAAAGCTGCCTAAGAAGCACAATGTGGAAGTTGGAATAACCATAAGTTCACCATCC
 AGTAGAAAACCAGGAGACCCCTCGTCATTTTCAGATATCAAGAAAGGGAGTGTGGCACAC
 AGAACTGGGACCTGGAAGTTGGGGATAAATTGCTCGCAATAGATAATATCCGGCTGGAC
 AACTGTTCCATGGAAGATGCAGTTCAGATCCTCCAGCAATGTGAAGACCTGGTGAAGCTC
 AAAATCCGCAAAGATGAAGATAATTCAGATGAGCAAGAAAGTTCGGGAGCAATTTATTTAC
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 CCGTTTGTATCCTATAATCATTTCAGCCTCACTAAAGGGGGATTAGCTGAAAGAAGTGGC
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 CTGAGTGAAGCCATCCATTTGTTACAGATGGCAGGAGAGACTGTACCTTGAAAATTAAG
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 CAAGCGCTGGAGGATTTGGAAACCTGCGGACAGTCAAGAAATCTGAGAGAAGTGGAGGCA
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 ACTCGGAGCAACCCCTGCCTTCAGATGTGGGTAGGAAGTCAAGTAAACCCTGAGAAAAATG
 AAACAAGAAATAAAGGAGATCATGTCTCCAAGTCTGTGGAGTGCACAAGGTGACCTTG
 TACAAGGACTCTGACATGGAGGACTTTGGGTTCAAGTGTAGCAGATGGCTTACTGGAGAAA
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 TATGACAGGCTCTTACAGGTGAATCATGTCCGAACCAGAGACTTTGACTGCTGCCTTGT
 GTGCCCTCATAGCAGAAATCCGGGAATAAGCTGGACCTGGTTATTAGTAGAAACCCACTG
 GCTTACAGAAAGTCTATAGACCAACAGAGTCTACCAGGAGATTGGAGTGAACAGAACAGT
 GCTTTTTTCCAGCAGCCTAGCCACGGTGGTAATTTGGAGACAGAGAACCCTACTAATACA
 TTATAG

- Restriction Sites:** Please inquire
- ACCN:** NM_001178074
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001178074.1</u> , <u>NP_001171545.1</u>
RefSeq Size:	5015 bp
RefSeq ORF:	3186 bp
Locus ID:	23426
UniProt ID:	<u>Q9Y3R0</u>
Cytogenetics:	12q14.3
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 3' coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C- termini compared to isoform 1. 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>