

Product datasheet for **SC102198**

GRIP2 (AK074145) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRIP2 (AK074145) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRIP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK074145, the custom clone sequence may differ by one or more nucleotides

CAGGAATGGAACGAAAGTGGAACTCGGCCTTTCCCTCTTCTCTCTGCAGACGATGGGCCCTACTCCA
 AAGGAGGCAAGGACGCAGGAGGGGCCGACGTTTCCCTGGCGTGCCGCAGACAGAGCATTCCAGAGGAGTT
 CCGAGGGATCACTGTGGTGGAGCTGATCAAGAAAGAGGCAGCACGCTGGGCCTGACTATCTCAGGTGGC
 ACCGACAAGGATGGAAAGCCAGGGTCTCCAACCTGAGACCTGGGGGACTTGCAGCCAGGAGTGATCTGC
 TGAACATTGGTGACTATATTCGGTCTGTGAACGGGATCCACCTGACCAGGCTCCGCCACGATGAGATCAT
 CACCCTGCTCAAGAATGTGGGCGAGCGGTGGTCTGGAGGTGGAGTATGAGCTGCCCCGCCCGGTGGG
 TGCCCTTGGACGGGAACTTTCTCCACTGCCTCGTTGCGGGTGGACACGGCTACCTCCCCACGAGGGCC
 TGGGTGGCAGGGATCATGCCAGATGGAGTGGGTAGAACCTGGAGACTGGCCACAAGCATCCATACCTCGC
 CTAGGGGCTGTGCCTACAACCGCAGTATGCTGTACCAGGAGGTGGTGGGACTCTATAGCCAATGTCATT
 TTACATATTTAGTCTCCAGATGCTTTTCTTTAGCGGGGAGGTTTTGGAAGCATTAGCTGAATAAGTCG
 TTCCCTGACCTACCATGCCACACTCCACTGCCCTGCACTAAGTAATGGTGGTGTAGGTTTTACCTAGC
 TTGGGATTTTCAAAGCTGGTCTAAAGTCTTGAAGTTTGAAGTAAGTGTCTGGAATTCAGCCCTGGCCTGAG
 CCTACCAGCCATGGACTCAAGCCTGAGTTCTGCCGTCTCTGTGAGCATGGGCAGGCCCTTCTCTCTC
 TCTCAGTGGTGGGCTAAGTGGGATTAGGGGAGAGGATCCCTCTAAGCTTCACTTGTTCGACCTGTAAAT
 GGGCAAGGGTTTACCCTCCCTGTAATCTCTGTGACTGATCACCCAGTCCCTGGAATGAGCTTTGGGCA
 CATCTACCGGCCCTGGAGATGCGACTGAGGGACTCAAAGGAGTCCCTCCATTCTCCCCAGCTCCTGAGAAT
 AACCCAGGATCATTTCAAAGACAGTGGACGTCTCCCTCTACAAGGAGGGCAATAGCTTTGGCTTTGTCC
 TTAGAGGTCAGTGAAAGAATTGCCCTTGGTATTGGGGCAGCAAGAAAGAGGCTAATACTAATTCATGTG
 TGTGCTGTTTGGATTGGAATGTAATTTATGTGTATCTTAGTTCTGACTTTGAAGAACACAGGACCGTTAA
 GGTAAGTATTCAGTGGGAAAATCTGCCAAGCAATGAAGTAGGCTTGGTTGGGGAGAGTGAGAGGAGAAAG
 TTGTACCGGAAAATGATGGTGAAAGCTGCTACCGAGACTGAGAACAAAGTCTGGAGCTTCTAGAGATCA
 GGGAAAGGGGAAATAAGGTGAGGTACAGAAGGGAGGCAAGCCATTTAACAGAGAGAAGACTTTGGTCTAT
 GTTACCCACCCCTTGACCATCTCTTGGGAGGGCGAATTTATTGTTGGTGTCTCATAAGAGGGTCCATGG
 ATAGCAAGGACAAGGTCTCAAACAGTTTTATTGAAGGAGCCTGCTCAGGGGCTGTGTGGGAGCCCTCG
 GATGGGAAGGGTGGGTGGATGATTCTGCTTCTTGTCAAATCCTGTCCAGGAGGTGCCCATGAAGATGG


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GCACAAGTCCCGCCCGCTGTCTGACCTACGTGCGGCCGGTGCCCTGCCGACAGGTGAGCCGAGGCA
GAAGAAATCCACACACTGCACTGACCTGCCCAACTCCCTGCGAAGAAGTGGAGTGGGGTACCATGC
CCCTTCCCAGATGAAGAGATCGAGGCCCTGAGGGAACACTCCCTGCCCGGTGTCATTAGGGAGTTGTT
GATGGAACCGGGATGTAACCCCAAATGAGGGAACCTCGAGCCCTTCTCCCCAACATACTGCTGTCTC
AGGGGTGGGGTGTGGAGAGGGGCAGCCTTGGTGTCTTCTCCCTTCTCTGCTCCTTGGTTTTCCCG
TCTGTGGAATGGTCCCTAAGAGTTGCTATGAGAGATTGGGGGCACGCTGATTGGCCACTGCTGTAGCCG
TCTGTGACTCAGTCTCCTGGGTCTGGCTGATCGACCCAGCTCGGCCCGCCTGGGCCAGCCCAGAAGG
GCCAGGAGGAGAGAATGTGGGGAAGAACATGTCAGATTCCCAGCCCCTGATCCCTCGGCCTCCCAGTG
GGAGATTCTGGCCATTTAAGAGAAGCCTGGAACGGCCTTGTCAGAAATCTAAATCTGTCTTGGGACA
GGGCCCTGTGATGAGCTATTCATAGAACCCCGAGAATAGCTTTGGCCACTGTTGGGAGAGGCGTTCCA
GGCTGGGGATGCGACCCAAACCGAGGTGAACCTGCTGGGGCCCTCCCTGGCCCTGTTGAGTTCTTT
CCCAGGCGCGGTTGTCATCAGGCCAGAATCACCCTGAGAAACCAAGGTGAGGTGGAGCAATGGGAAG
GGACGAGGACGGTCTCAGACGAGCCCAATGCCGTGTGCCATGGGCAGAGTTGCCCTCTCTGGGCC
TGGTGTGTCTTTGCTCCTGAGGCAGGAGTTGGGGTGACGCTTGAAGACACCCCAAGCTCAGATATT
TCAGGGTTCTGCACTGAGTCTGTGAATTACTGCACACCCAGAGGAGTGGCAGGCGCAGAGCCACCCAT
CCTGTCTTATCCCCCCTTGTCTTATGCAGCTCCCCACTCCTGGAGTGGCTATTCTTCACTCACTCA
TGCGCCCTTCAACCGTCCCCTCCTCCCTTCTCCCCACCCATTCCCTGCTTCTTATCCTCCATGTC
CCGCTTCCCAGCGCCCTCCCAGACAGGCTGTGCCAGTGTCTGCTGCCGGCCAGGCTGGTACTGGCCCT
TCCCTACAGGGAGGGCTCCCTGAAGGTGGGCGACAGGCTGCTCAGCGTCGATGGAATCCCCTGCACGGG
GCCAGCCATGCCACGCCCCCTGCCACCTCGCGCAGTGCAGCCACGAGGCACTCTTCAGGTGGAGTAT
GATGTGGCCACCCCTGGTGAGTTGGGGCCCTGAGTGTGTGGTTGGGCGAGGAGGAGGCTGGGATGGG
GGAGGTGGCAGTGGCCATGGATCTTTACCACTGCAAAGGCTGCATGACCTTATGACCTTGGCCAGTCAC
AGCTTCTCTGGCAGTAAGATAGTATGTCTAGGCATTGTTTGATGTGCTGGGATCCAGCCTAGAACAAC
AGAATTGAGGTGTCTGTTCTCATGGAGCTGGCATTCTGTTGGAGAGAGGACAGTATCCAGAATAGATAAG
ATATGGTGTATGTCAAGTTGGCAATAAGTGCTATGGAAAAAGAAAGAGGCAGGGGAGAGAGATGGGACA
GGCTGGGGGATGCTCTCTCACTAGGGGAGTGAGGGAATGAGCGAGGCAATGGAATGTCCAGGGACAGCATT
CCAGGAGGGCGGAAGAGTAAGTGCAAAGGCCCTGAGGCAGGAGCATGGCCAGCATGGTTGGTCACAGTGA
GGAGGCTGCCGTGGTTGGCACAGGTGAGTGAAAGGAGGTAAGGGCAGAGCAGGGTGAGGTGGAAGCCGG
AGGCCATAGGAAGCGGCAGCAGCTGTCCAAGCGAGAGCTAAGGGACTGAACCAGGCTGGTGGCTAAGGAG
GGGAGAAGGCAGGGATTTCAGGAAATGATGACGGTCCAGCTGGCCTGATCTGCTGAGATTTAGACATG
GGTGGCGCAGGCGAGGCTAAGGGTCGGCCAAAGTTTAATTTCCAGCACTGGGTGTGTTAATGAG
GTGCCATTTCTGAGATGGGGATGGGTTGTAGTGAACATTACAGTTTAGTGCTGGTATACCAACAGGCTCT
TCATAAACTCAAGCAAAATTCATTTACCCAGCAAAGCCCTGGGATCACAGCCCCTCAGACCTGAGCTCCT
CCCCCTCCTCCACTGCTATCTTATCTGTCAAATTGATATAACATTTGGTAGAAGAT

5' Read Nucleotide Sequence:	>OriGene 5' read for AK074145 unedited <pre> TCAGATATAGTAATACGACTCACTATAGGGCGGCCGAAATTCGCACGAGGCGAAAGTG GAACTCGGCCCTTTCCCTCTTCTCTCCTGCAGACGATGGGCCCTACTCCAAGGAGGCAA GGACGCAGGAGGGGCCGACGTTTCCCTGGCGTGCCGACAGACAGCATTCCAGGCAGAGG AGTTCCGAGGGATCACTGTGGTGGAGCTGATCAAGAAAGAAGGCAGCACGCTGGGCCTGA CTATCTCAGGTGGCACCACAAAGGATGGAAAGCCAGGGTCTCCAACCTGAGACCTGGGG GACTTGCAGCCAGGAGTGATCTGCTGAACATTGGTGACTATATTGGTCTGTGAACGGGA TCCACCTGACCAGGCTCCGCCACGATGAGATCATCACCTGCTCAAGAATGTGGGCGAGC GCGTGGTGTGGAGGTGGAGTATGAGCTGCCCCGCCCCGCTCCTGAGAATAACCCAGGA TCATTTCAAAGACAGTGGACGTCTCCCTCTACAAGGAGGGCAATAGCTTTGGCTTTGTCC TTAGAGGAGGTGCCCATGAAGATGGGCACAAGTCCCGCCCGCTTGTCTGACCTACGTGC GGCCCGGTGGCCCTGCCGACAGGGAGGGCTCCCTGAAGGTGGGCGACAGGCTGCTCAGTG TCGATGGAATCCCGCTGCACGGNGCCAGCCATGCCACCGCCCTGGCCACCCTGCGGCAGT GCAGCCACGAGGCACTCTTTCAGGTGGAGTATGATGTGGCCACCCTGACACGGTGGCTA ATGCTTCGGGACCCTTGATGGTGAAATAGTCNAGACGCAGGGTCTGCCCTGGGGATCTTG CTTACCCCCACCTCCTTCCGCAACAGTCAGTCATTTACATCGACCGCATCAGCCAGCCA GCGTGGTGGACAGGGAGCGACCCTGCACCCTGAACCCATNCTGTNCTCGATGGTCCAGCA TGGACACTGCTC </pre>
Restriction Sites:	NotI-NotI
ACCN:	AK074145
Insert Size:	3160 bp
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).
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:	<u>AK074145.1</u> , <u>BAB84971.1</u>
RefSeq Size:	4116 bp
RefSeq ORF:	4116 bp
Locus ID:	80852
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome

Gene Summary:

May play a role as a localized scaffold for the assembly of a multiprotein signaling complex and as mediator of the trafficking of its binding partners at specific subcellular location in neurons.[UniProtKB/Swiss-Prot Function]