

Product datasheet for **SC335382**

GRAP2 (NM_001291824) Human Untagged Clone

Product data:

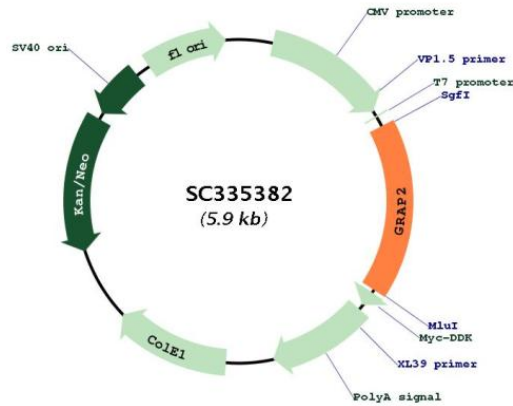
Product Type:	Expression Plasmids
Product Name:	GRAP2 (NM_001291824) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRAP2
Synonyms:	GADS; GRAP-2; GRB2L; GRBLG; GrbX; Grf40; GRID; GRPL; Mona; P38
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC335382 representing NM_001291824. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAAGCTGTTGCCAAGTTTGATTTCACTGCTTCAGGTGAGGATGAACTGAGCTTTCACACTGGAGAT
GTTTTGAAGATTTTAAGTAACCAAGAGGAGTGGTTTAAGGCGGAGCTTGGGAGCCAGGAAGGATATGTG
CCCAAGAATTTTCATAGACATCCAGTTTCCCAAATGGTTTCACGAAGGCCTCTCTCGACACCAGGCAGAG
AACTTACTCATGGGCAAGGAGGTTGGCTTCTTCATCATCCGGGCCAGCCAGAGCTCCCCAGGGGACTTC
TCCATCTCTGTCAGGCATGAGGATGACGTTCAACACTTCAAGGTCATGCGAGACAACAAGGGTAATTAC
TTTCTGTGGACTGAGAAGTTTCCATCCCTAAATAAGCTGGTAGACTACTACAGGACAAATCCATCTCC
AGACAGAAGCAGATCTTCCCTTAGAGACAGAACCCGAGAAGACCAGGGTCAACCGGGCAACAGCCTGGAC
CGGAGGTCCCAGGGAGGCCACACCTCAGTGGGGCTGTGGGAGAAGAAATCCGACCTTCGATGAACCGG
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GCCCCAGCGCCCCAGCAGCTGCAGCAGCCCCACAGCAGCGATATCTGCAGCACCACCATTTCCACCAG
GAACGCCGAGGAGGCAGCCTTGACATAAATGATGGGCATTGTGGCACCAGGCTTGGGCAGTGAAATGAAT
GCGGCCCTCATGCATCGGAGACACAGACCCAGTGCAGCTCCAGGCGGCAGGGCGAGTGGGTGGGCC
CGGGCGCTGTATGACTTTGAGGCCCTGGAGGATGACGAGCTGGGGTTCCACAGCGGGAGGTGGTGGAG
GTCCTGGATAGCTCCAACCCATCCTGGTGGACCGGCCCTGCACAACAAGCTGGGCCTTCCCTGCC
AACTACGTGGCACCCATGACCCGATAA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001291824

Insert Size: 993 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: [NM_001291824.1](https://www.ncbi.nlm.nih.gov/RefSeq/record/NM_001291824.1)

RefSeq Size:	3528 bp
RefSeq ORF:	993 bp
Locus ID:	9402
UniProt ID:	<u>O75791</u>
Cytogenetics:	22q13.1
Protein Families:	Druggable Genome
Protein Pathways:	T cell receptor signaling pathway
MW:	37.9 kDa
Gene Summary:	<p>This gene encodes a member of the GRB2/Sem5/Drk family. This member is an adaptor-like protein involved in leukocyte-specific protein-tyrosine kinase signaling. Like its related family member, GRB2-related adaptor protein (GRAP), this protein contains an SH2 domain flanked by two SH3 domains. This protein interacts with other proteins, such as GRB2-associated binding protein 1 (GAB1) and the SLP-76 leukocyte protein (LCP2), through its SH3 domains. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1, 2 and 3 encode the same isoform. 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>