

Product datasheet for MC227023

Grap2 (NM_001289442) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grap2 (NM_001289442) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Grap2
Synonyms:	Gads; GRAP-2; GRB2L; GRBLG; GrbX; Grf40; GRID; GrpL; Mona; P38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227023 representing NM_001289442 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGCCACTGCCAAGTTTGATTTCATGGCCTCAGGTGAGGACGAACTGAGCTTTCGCACTGGAGACA
TTCTGAAGATACTAAGCAACCAGGAGGAGTGGCTCAAGGCGGAGCTCGGAAGCCAAGAAGGATATGTGCC
TAAGAATTTTATAGATATCGAGTTTCCTGAGTGGTTCCATGAAGGCCTCTCTCGACATCAAGCAGAAAAAC
TTACTCATGGGCAAGGACATTGGATTCTTCATCATCAGGGCCAGCCAGAGTTCCTCCAGGAGACTTCTCCA
TCTCTGTCAGGCACGAGGACGACGTTTCAAGTCAAGTGCATGCGTGACACCAAGGGCAATTACTTCTCT
GTGGACCGAGAAGTTCCCATCCTTAAATAAGCTGGTGGACTACTACCGGACAACGTCCATCTCCAAACAG
AAGCAGGTCTTCTTCGGGATGGAACCCAAGATCAGGGTCACCGGGGCAACAGCCTGGACAGGAGGTCCC
AGGGCGGCCCTCACCCGAGTGGAAACCGTAGGAGAAGAAATCCGACCTTCAGTGAACCGGAAGCTGTGAGA
CCACCTTCTCTGGGTCCCCAGCAGTTCACCCGACACGAGCCGTACCCCAAGTTCACACCGAGGCGG
CAGCCCCCTCAACAGCAGCGTTATCTGCAGCATTTCCACCGAGGACCGTCTGGGGGACGCTGGACATAA
ACGATGGACACTGCGGCCTTGAAGTGAGGTGAACGCCACGCTGATGCACCGGAGACACACCGACCCCGT
ACAACCTCAGGCAGCAGGGCGGGTGCCTTGGGCCAGGGCACTGTATGACTTTGAGGCTCTGGAAGAGGAC
GAGCTGGGATTCCGAAGCGGAGAAGTGGTTGAAGTCTTGACAGCTCAACCCATCTTGGTGGACCGGCC
GTCTGCACAACAACTGGGTCTCTTCCCTGCCAACTATGTGGCCCCATGATGCGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001289442



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Insert Size:	969 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001289442.1</u> , <u>NP_001276371.1</u>
RefSeq Size:	5380 bp
RefSeq ORF:	969 bp
Locus ID:	17444
UniProt ID:	<u>O89100</u>
Cytogenetics:	15 E1
Gene Summary:	Interacts with SLP-76 to regulate NF-AT activation. Binds to tyrosine-phosphorylated shc. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. 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.