

Product datasheet for **MC202641**

Rasgeflb (NM_145839) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Rasgeflb
Synonyms:	4732452O09Rik; Gpig4; GPIgamma4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>BC052726 sequence for NM_145839
 GGGTTTTCCCTTTCTTCTGGCGTTTCGACCTTCCCGGTCTGAGCTCGCCTTTTGGGGCGCCTCGGTACG
 GCAGCCAGGAGGCAGAGGCTCCGAGCTGTGTGCGGGAAAGTATGCCTCAGACGCCCCCTTCTCAGCAAT
 GTTTGACAGCAGTGGCTACAACCGAAACCTCTACCAGTCCGCAGAGGACAGCTGTGGAGGCTTGTACTAC
 CATGACAACAACTCCTTTCTGGGTCTCTGGAAGCCCTTATCCAACACTTGGTACCCAATGTGGATTACT
 ATCCTGATAGGACATACATCTTCACCTTCTGCTTAGTTCTCGGTATTTCATGCATCCGTACGAGCTCAT
 GGCTAAGGTTTGCCACCTGTGTGTTGAGCACCAGCGACTGAGTGAAGGGGACGGCGATAAGAACCAGATG
 AGAAAAATTGCACCTAAATCCTTCAGCTCTTGACAGAGTGGACAGAAACATTTCCGTATGACTTCCGGG
 ACGAGAGAATGATGAGGAACCTCAAGGACCTGGCGCACAGGATGGCCAGTGGCGAGGAGCAGACGTACCG
 GAAGAACGTCCAGCAGATGATGCAGTGTCTGATCCGAAACTCGCCGCCCTCAGCCAGTATGAGGAAGTC
 CTGGCCAAACTCAGCTCCACAGCCACGGACCGGCTCAGGTTCTGAAGACCAAGCCCCAGTCCATACAGC
 GGGACATCATGACCGTCTGCAGCGACCTTACACATTGGCCAGCAGCTGACCCACATCGAGCTGGAGAG
 ACTCAATTACATTGGCCAGAAGAGTTTGTTCAGGCATTTGTGAGAAGGATCCTTTGGACAACGATAAG
 AGTTGTTACAGCGAACGGAAGAAACACGGAACCTTGGAGGCGTACGTAGAATGGTTTAAATCGTCTAAGCT
 ACTTGGTTGCTACAGAAATCTGCATGCCTGTGAAGAAGAAGCACCAGCGAGGATGATCGAGTATTTTCAT
 CGATGTGGCTCGAGAGTGTTCACATTGGAACTTCAATTCTTTGATGGCAATCATCTCTGGTATGAAT
 ATGAGCCCGGTCTCGAGACTTAAGAAAACCTGGGCCAAAGTGAAGACTGCAAAGTTTGACATTCTTGAGC
 ATCAGATGGATCCATCCAGCAATTTCTACAACACAGAACGGCTCTCCGAGGGGACGCGAAAGGTCCCT
 GACTGCTCAGAGTAGCAGAGAGAAGATTGTGATACCATTTCTCAGTCTCTTAATCAAAGACATTTATTTT
 CTCACAGAGGGCTGTGTCAACCGTCTTCCAAATGGCCATGTCAACTTTGAGAAATTTTGGGAACCTGGCCA
 AACAAGTGAGTGAATTTATGACATGGAACAGGTGGAGTGTCCGTTTCAGCGGGACCGGAAGGTCTTACA
 ATACCTGCTCTCCGTGCTGTATTGAGTGAAGATGCGCTCTACTTGGCTTCATACGAGAGTGAAGGACCC
 GAAAAAATATAGAGAAGGACAGATGGAAGTCTTTAAGGTCCAGCCTTTTGGGCAGAGTTTAACTCTGG
 AAAATGCTGCTGCTGCTGTTGCTGCTGCTGCTGCCACTGCTGCATCAGAGGACCTGGAGGGGCTGGCCT
 TTGTTTTCTGGCATCCAGTACTAGGGAAGTCCCTCCAGACCTGCAAGCAAGCCAGCTGTAGATCAGAC
 GGGAAATTCATTTCCACAGCTGACAGATGGACTTGGATCTCTTTTGGAGTGAATCGTCACTGAAGAC
 ACTTGAGGGAGAATCTTCTGAAAGCCCCGGCTCTGCGCATGATTTCATCTCTGGAATTTCCATGTGAATC
 ACAGCTCTGCACCTGGATGGACTTTTGTGTTGTGATATATTTTTTTTTTTTGGCCTGAACATTTGCTGCTAA
 TGGAACCTACACAGAGTGGGCTCTATGGAAGCCCAAGTTTCTTTGTTAATTTAAATGAAAAAGGAGAG
 GGAGGGAGGGGAAACCCCTCCACCCACCAAGTTTGGATCCTGGACCTCAGCTTGAACAGTATTCAGTG
 AGGGCAAGATTGGGTGGGTTCTACTGCAGACATCCCCTTACCCAGTGGGTTATGTCAACACCCCTCC
 CCCGTCCCCCTCTCTCCAAGGCTTTGAGTTGGCTGCTGGCTAGCAAACTCCTTCTTACCCATTAAGTT
 ATTTAATATAAATGAAGCGCAACACTGTGGTAGGAAAAATAGCCACTAGGGGGGAAAAAAGGCAGAGAT
 TGCTACTGTGCGACTGCCCATCTGCAGGAAGGGTCACTGTAGGATTGCTCATCTCGCGGAAGGGACCA
 TGTTTTCTTTACCTTTCTGAGCTGTTTACAGCTGACCACTGTGCTCTATAGATGATTTTTTTCAGTAGGTT
 TTGTTTTTGTGTTGTTAACTTAGTTTTCCATGATGCTGCCCATACCCATAAATGTAATGCTATGACT
 TTAAGGGTCTTGGGGGAGGATCCATGACCTAAACACAGTCGTTTTTTTTTTTTTCTTAACCTATTTTTT
 CATTATTCTCTGGAGTCAGTTGGTGGCTAAACATATAAACAAGGAATCCATTAAGAAAACTTACCTCCTC
 GCCCGCAGCAGTGACCAATGCAACCAGGTTGCTGATAATTCTGATCACTTTAACATCTAAATTAGG
 TCTGTAGTTGTTCTGCAGGCAGCCATTACGATACTCTAGGAGAACTTTAGAGTAGTGATCCCTGCTAA
 TGAAAAATGCACAATGCCAAGTTCCAGCCATGTTGGTTAACCCTTCTGACGCCATCCTGAGAATCAGCATG
 TCTTAACCGTGGCTCATCTCAACAGGCTTGGCCTGTCTCCAAGTTGTCCCTTCACAATGTCAATACATTT
 TAAGCTCTGCAA AAA

Restriction Sites:

Ascl-NotI

ACCN:

NM_145839

Insert Size:

1422 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC052726 , AAH52726
RefSeq Size:	2943 bp
RefSeq ORF:	1422 bp
Locus ID:	320292
UniProt ID:	Q8JZL7
Cytogenetics:	5 E3
Gene Summary:	Guanine nucleotide exchange factor (GEF) with specificity for RAP2A, it doesn't seems to activate other Ras family proteins (in vitro).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer protein (isoform 1).