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Product datasheet for MC224705

Iqgap2 (NM_027711) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iqgap2 (NM_027711) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Iqgap2
Synonyms:	4933417J23Rik; A630053O10; AI788777
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC224705 representing NM_027711
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGCACGAAGAGCTGCCGTCGTTGCAACGGCCCCGCTACGGCTCAATCGTGGATGATGAAAGGCTGT
CTGCAGAGGAGATGGATGAGAGGAGGCGACAGAACATCGCCTATGAATACTTGTGTCACCTGGAGGAAGC
CAAGAGATGGATGGAAGTCTGCTTAGTTGAAGAATTGCCACCAACCACTGAACTGGAAGAAGGGCTCCGG
AATGGGGTCTACCTCGCCAAGTTAGCCAAGTTCTTCGCTCCAAAAATGGTATCAGAGAAGAAGATCTACG
ATGTGGAGCAGACACGTTATAAGAAATCTGGCCTTCATTTTCGACACACAGATAACACTGTGCAGTGGTT
AAGAGCTATGGAAGCCATCGGGCTGCCCAAGATATTTTATCCAGAAACAACAGATGTCTACGATCGGAAA
AACATACCAAGGATGATCTATTGCATTCACGCGCTAAGTTTGTATCTGTTTAAACTGGGGATTGCGCCCC
AGATCCAGGATTTGCTGGGAAAAGTGGATTTCACAGAGGAGGAGATCAGTAACATGAGGAAAGAACTGGA
GAAGTACGGGATCCAGATGCCGGCTTTCAGCAAAATCGGTGGCATTCTGGCCAATGAACTGTCTGTGGAC
GAAGCTGCACTACATGCTGCAGTCATAGCTATTAATGAGGCTATTGAAAAGGGAGTGGCCAAGCAGACCA
TTATAACACTAAGAAACCCCAACGCAGTGTTAACTTGTGTGGACGACAGCCTCTCACAGGAGTACCAGAA
AGAACTGTGGGAAGCCAAAAAGAAAAAAGAGGAAAGCGCAAAACTGAAGAACAGCTGTATTTCAGAGGAA
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TGGCTGCTGTGGACCACATCAATGCTGTCCTTCAGGAAGGTGACCCCGAGAACACACTGCTTGCACTGAA
GAAACCAGAAGCCCAGCTGCCAGCTGTCTATCCCTTTGCTGCTGTTATGTATCAAAATGAACTCTTCAAC
CTCCAGAAACAGAACACATCGAACTACTTGGCCCACGAGGAGCTCCTGATTGCCGTGGAAATGTTGTCTG
CCGTTGCTCTCTGCTAAACCAGGCCTTGGAGAGCAGTGACCTCGTGGCTGTGCAGAACCAACTCAGAAGCCC
CACCATAGGCTTCAACAATCTGGATGAGGCACACGTGGACCGTTATGCAGACGCACTACTCTCTGTTAAA
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ATAACCAGATTCAAGAAGAAAATGACCGAATGGTAGTTCTCGGGTACATCAATGAAGCCATCGACGCAGG
GAACCCTCTGAAGACTTTAGATACCTTGCTGCTGCCCACTGCTAATATCAGAGATGTGGACCCAGACTGC

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GCCCAACACTACCAGGATGTTCTGTTCTATACAAAATCCCAGAAACTCGGGGATCCTAAGAATGTTTCTA
AAGTTCTCTGGCTGGATGAGATACAGCAAGCCATCAATGAGGCCAACGTGGATGAGAACAGAGCAAAGCA
ATGGGTTACACTGGTCGTTGACGTGAATGAGTGTTTGGATAGAAAACAATCAGATCACATCTTGACTGCA
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CTGTGGAGGTGTACAAGGCTTGGGTGAACCAACTGGAAACGCAGACTGGAGAAGCCAGCAAGCTGCCTTA
CGACGTCACCACAGAGCAAGCCCTGACATACCCGGAGGTGAAGAATAAACTGGAGGCATCTATTGAAAAC
CTGAGGAAGGTCACCGACAAAGTCCTGGGCTCCATCATTTCTTCCCTCGATCTGCTGCCTTATGGATTGA
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AAAGATTGTTGGAAATCTCCTATACTACCGGTATATGAACCCAGCCATTGTGGCTCCCGATGGCTTTGAC
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TTCTGCAACACGCAGCCTCCAACAAGCTGTTTGAGGGCGAGAATGAGCATTTGTCATCAATGAACAATTA
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GAACGAGCTGCTGGAGTCTCTGGGGGAGGTGCCCACGGTGGAGTCCTTTCTCGGGGAAGGAGCAGTTGAC
CCCAATGACCCTAACAAGGAAAACACATTAAATCAACTCTCCAAAACCGAGATTTCCCTTTCCTTGACAA
GCAAGTATGACGTCAAAGATGGCGAGGCCGTCGATGGCAGAAGCCTCATGATAAAGACCAAAAAGCTGAT
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CAGGAACTAGAGCACGCCAAAGACATGGAGAGCCGTGCCGTTGTAGACTCCAGGACCCCGGAGGAAGGGA
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GCCAAGGATATTCGAAATCAAAGAATCCACCGCAAGCTTCGAAAAGCTGAGCTGTCGAAACTTCAGCAAA
CCCTGAACGCACTTAATAAGAAGGCAGCGTTTTATGAAGATCAAATTAATTATTACGACACCTACATCAA
GACCTGTGTAGACAACCTGAAAAGAAAAAATTCTCGGAGATCAATTAAACTGGATGGAAAAGCAGAACCC
AAAGGAACGAAGAGAGTGAAGCCAGTGAGGTACACGGCAGCAAAGCTACATGACAAAGGCGTCCTGTTGG
GCATAGATGACCTTCAAACCAACCAGTTTAAGAATGTTATGTTCGATATCATAGCTACTGAGGACATGGG
CATCTTTGACGTCAGATCCAAATTCCTCGGTGTTGAGATGGAAAAGGTACAACTCAATATTCAGGACTTA
CTTCAGATGCAGTATGAAGGGGTGGCCGTGATGAAAATGTTCGACAAGGTGAAAGTGAACGTGAACCTTC
TCATATACCTGCTCAACAAGAAGTTCTACGGAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_027711
Insert Size:	4728 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_027711.1, NP_081987.1
RefSeq Size:	5771 bp
RefSeq ORF:	4728 bp
Locus ID:	544963
UniProt ID:	Q3UQ44
Cytogenetics:	13 50.26 cM
Gene Summary:	Binds to activated CDC42 and RAC1 but does not seem to stimulate their GTPase activity. Associates with calmodulin.[UniProtKB/Swiss-Prot Function]