

## Product datasheet for RN217674

### Iqgap3 (NM\_001191709) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Iqgap3 (NM_001191709) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Iqgap3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217674 representing NM_001191709 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGTCTTGACGGCAGGCCAGGCTCGACAGCCTATGATCGTCTCACAGCTGAGGAGATGGATGAGC  
AGAGGCGACAGAATGTCGCTACCACTACCTGTGCCGGCTGGAGGAAGCCAAGCGCTGGATGGAGGTGTG  
CTTGAAGGAGGAGCTTCCCTCCCTGTGGAGCTGGAGGAGAGCCTCCGGAATGGAGTGTCTTGCCAAAG  
CTGGGCCACTGTTTTGCACCCTGTGGTCCCCCTGAAGAAGATCTATGACATGGAACAGCTACGATAACC  
AGGCGACCGGCTTGCATTCCGGCACACGGACAACATCAACTTCTGGCTTTCTGCGGTAGCCACATCGG  
TCTGCCTTCGACCTTCTCCAGAGACCACAGACATCTATGACAAAAAGAACATGCCTCGGGTGTCTAC  
TGCATTATGCTCTCAGTCTTCTCTTCCGGCTGGGATTGGCCCTCAGATCCACGACTTGTATGGAA  
AAGTGAATTCACAGCTGAGGAACCTCAGCAACATCGCCTCTGAACTGGCCAAATATGGCCTCCAGTTACC  
GGCCTTCAGCAAAATCGGGGCATCCTGGCCAATGAGTTTTAGCCGATGAGGCTGCAGTCCATGCAGCT  
ATTCTGGCCATCAATGACGCAGTGGAGCGAGGGGTGGTGAAGACTCTGGTGGCCTTGCAGAATCCCA  
ATGCTCTTCTGGGAATCTTCCGGAACCTTTGGCAGCTGTCTACCAAGAGCTGTTGGCCCTAGCCAAGAT  
GGAGAAGGCTGCCAATGCCAGGAATCATGACGATGGTCAAGGACAGGACATCTATGAGTCTGCCTCACC  
CAGGCAGAGATCCAGGGCCATCAACCTCGCCAATGTCCAGGGGGCTCTGGAAGTTGTTGATGACGCTC  
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CTGGTGAAGCTTCTAGAAAAGGAGGAGATCCAGGCTGGTGTGGCTGCAGCCAATGAGAAGGGTGTCAAG  
AGCAGGCTATGCTCCGAGCTGTGTGAAGATCAACAAAGCCATCCAGAGGGGAGTGGCCGCTGACACCGT  
GAAGGAGCTCATGTGCCCTGAAGCCCAGCTGCCCAAGTATACCCCTTTGCTCTGTGTGTACCAGCAG  
GAGCTGGCTCTCTCCAGAAGCAGCAACAGGGGAACCTGGACCAGGAGGAGCTTTTGTGGCTGTGGAGA  
TGCTCTCAGCCGTGGTTCTGATTAACCGTGTCTGGAAGCTGGAGATGCCTGTACCTTTTGGGACAATCT  
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AAGGTGCAGCAGCTTCGAGGAACGCATAGAGGCTTCTGAGCTGGAATGACCTGCAGGCGGCTGTGAGTC  
AAGTCAATGCACAGGTCAGGAAGAACTGATCAGGTTCTCGCCATCAGCCTCATCAATGAGGCTCTGGA  
CCAGGGCTGTCTGAAAAGACTGTCTGCCCTGTCTCTGCAGCTGGCCTGGAAGATGTCAGCCT



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CCTGTTGCACCCCGGTACCATCACCTTCTTGTGGCTGCCAAGAGGCAGAAAGCACAGAAAACGGGAGATC  
 CTGGAGCTGTGCTATGGCTGGAGGAGATCCGCCAGGGAGTGGCCAGAGCCAACGAGGACACAAACACAGC  
 TCAAAGAATAGCCCTTGGTGTGGCTGCTATCAACCAGGCCATCAAGGAGGGCAAGGCAGCCAGACAGAG  
 CGTGTGTTGAGGAACCCCAATGTGGCCCTCCGAGGGATAGTTCCTGACTGCGCTAAAAGTACCAACAGG  
 CCCTGGAAGGCGCAGCGGCAAGAAGCACCGTCTGGGGACACAGCCTTCTGGGTTCCACGTGACATGAA  
 GGATGGCACCCGCTACTACTCCATCTGCAGACCTTTCAGGGGACCTGGGAGCGTCTCCAGCCGCCAC  
 CTC AATGCCTCCATCTCACCTGGGAGGAGATTCACTGTGCATCACC AAGGTCACCCGCTGCCACGACC  
 GCCAGTGTCTGGAAGGCCAACGTTGGCTTTGTGCATCAAGCTCCAGGCTCGCCTTCGTGGCTTCCTCGT  
 TCGCCAGAAGTTTGTGAGTCTTCCACTTCTCAGGACCTTGTGCCAGCCGTGCATCAAGTCCAGGCC  
 CACTGGCGGGTTATAGACAACGGAAGACTTACCAGGAGCGGCTGCAGTATTTTAAAGCAAACCTGAATG  
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 TGATGATCCTGGACAAACAGAAGGGATTAAGTCACTGAGCAGAGAGAAACGGCAGAAAGCTAGAAGCCTA  
 CCAGCACCTTCTACCTGCTGCAGACTCAGCCATCTATTTGGCCAACTGATCTTTAAATGCCCCAG  
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 CCTACCTTCTGCTCCAGCTGTTGAGAACGGCACTGCAGGAGGAAATCAAGTCAAAGGTGGAACAGCCCA  
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 CAGATCCTGTCCACATCTATAAGAGCTGGATCAACCAGTGGAGGCCAGACTGGACAGCGCAGCCATCT  
 CCCCTATGACGTCAACCCGAGCAGGCTCTGAGCCACTCTGAAGTGCAGAGACGATTAGACATCTCCCTG  
 CGCAATCTCCTCGCCATGACTGAAAAGTCTTCTGTTGCCATCAGTTCATCGGTGGACCACATTCCGTATG  
 GGATTCGGTATATGGCCAAAGTCTGAAAACAACCCTAGAGACAAAGTCCCAATGCCACGGAGAGGGA  
 CATCTATAAGGTGGTTGAAACCTCCTGTACTACCGCTTCTGAAACCCTGCTGTGGTAGCTCCTGACGCC  
 TTTGACATTGTGGCCATGGCAGCAGGCAGCAGCCTGGCCGCCACAGCGCCATGCGCTAGGAGCTGTGG  
 CTCAGCTCCTACAGCATGCGGCTGTGGCAAGTCTTCTCCGGGAGAGCCGGCACCTTCGAATCCTGAA  
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 GAGGAGCGCTTCCCATAGATGAATACTCAGACATGGTGGCTGTGGCCAAACCCATGGTGTACATCACCG  
 TAGGGGAGTTGATCGGCACACACAGGCTTGTGCTGGAACCAAGACCAGCTGGCCCCAGGTACCAGGA  
 CCCACTGCACCAGCTCCTGGAGGACCTTGGGGAGCCACCACCATCACTGACCTCATCGGGGACCATGTA  
 GCCACCGATGGGCATGAGGATCTGAGCAGGCTCGAAGTGTCCCTGACACTCACCAACAAGTTCGAAGGGC  
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 CATCCAGTTCACCCCTGGGGACTCCCTGGAGGAGATCCTGACCTCCTCAGCTCCCAGGGAGCATGAAGAG  
 GCCCATCATCGGTTGATGTGTTGGCGCAAGCCTGTGACACCCAGAAACCAGAGCCGCTTCAACGACGAC  
 ACTCACTGATGGCACACTCCCTCCTGCCACTGGCAGAGAAGCAGCAACCGCTCCTGCGGAACCTGCGTGG  
 GCTACAGGGCCTGGGGCTGGTCAAGGCAACGACTGCTACCAGGGACTTGTGGACGAGCTGGCCAAGGAC  
 ATCTGCAACCAGCGCAGGACCCGACAGCGGCGGAAGGCAGAGATGCTGAGGCTCCGGGCCACGCTACAGG  
 GCCTAGATGCAAAAACCATCTTCTATGAGGAACAGGGCGACTACTACAACAGTACACCCAGGCCTGCTT  
 TGACCACCTGGCCCCAACCCAGGAGTCTGGGAAGGGGAAGAAGCAGCCGCTCTTCACTACACAGCC  
 GCCAGCTCCTGGAAAAGGGTGTCTTGGTGGAAATTGAAAGATCTCCCTGTCTCACTTCAGAAACGTCA  
 TCTTTGACATCACTCCTGGAGATGAGGCAGGAAGGTTGCGCGTCAATGCCAAGTCTCCTGGGTGTAGACAT  
 GGAGAAGTTTCAGCTCCACTACCAGGACCTCTGCAGCTGCAGTATGAGGGTGTGGCTGCATGAAACTC  
 TTTAACAAAGCCAAAGTCAACGTCAATCTCCTCATCTTCTGCTCAACAAGAAGTTCCTTCGGAAGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_001191709

<b>Insert Size:</b>	4899 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001191709.1, NP_001178638.1</u>
<b>RefSeq Size:</b>	5795 bp
<b>RefSeq ORF:</b>	4899 bp
<b>Locus ID:</b>	310621
<b>Cytogenetics:</b>	2q34