

Product datasheet for **RN213396**

Iqub (NM_001034130) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Iqub (NM_001034130) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Iqub
Synonyms:	RGD1562359; Trs4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213396 representing NM_001034130
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGATACGGAGGAGAAATGTCCTTGACTCCCCGCCAGTGGTGAAGCGGCCGCGGAAGTCATCAGTA
 TTCTGGCCCTACAGACGAAGCAGAAGAGTCAGATATCTCACCAGAGCAAGAATACGAAAATAGAGGGATT
 TACCACCAGAGGTGAGGAGACAGTGGAGCACTACAGTGATCTCAGTGTTCACACCCCAAAATCTTACGAC
 TCCAAACCCAGGGACGAGGTCTGTCCCTTGAAGTGCCACAGACTCTCATGAGCAAGAATACAGACTTG
 GAGATCTTGGAGGTGACCAGAGATCAGAAGAGGACGAGATGTCATTTCTTATAAAATCAAAGCTATAAA
 GGAGAACTTGCAGTCGTAGTAAAGAGTGTATAGCCACAGTAAAAATTGTAATTATTCTGCAGGCCAG
 GAAATTGTAATGCCTTTCAGAGTTGATGCTCCATTTAGATTCTCAAGGAGCACTTTCACACTTATTAC
 GTATCCCCATCATGTATTGCAAAATGGCCTATACAGGAATCAGTGTGGGAATAATGAGTCCCTGATACA
 ATATGGAGTCAAACACGGGAAATCGTTCAAATGAATGTATTTCTCAGAACCCGACCAATATCCAGTC
 AGAAGAATAGAGGGCTTGAAGTGGGCTCAAGATCATAACGGTACCATTTCAGACCGGCATCGAACGCT
 ACGAGGAGGTAGCTGTGGAGATAGTAAATCTGACTTCCACAAGCCATTTCTTGGTGGATTTAGACATAA
 AATAACAGGACTAGAATACCACAATGCTGGGACACAACTGTACCAAGAAGATTCCGAAAAAGACAAT
 CTGTTCTGTAGGGACACCCAGACAGTTTTTTCAGAAAAAGAAGCTGCAACAACTATGAATACCACCTCCA
 CTCAGATGACTAAAAATCGGTGTATACGTATCAACATGACTGATAAACTGCTCACGCCAGGAAGTACTT
 TTCAGTGCAGAGTACCACGCTCGAAGGTTGAACGCGGTGATAGTATTGACTGCCTACAGGCCGATGG
 CACGCTAAGTGTATGTGACAGCCTAAGACTACAAAAGAAAATGAGGTTGGAGTGGGAAAAAGAGGAAG
 AACTTAAGAAGATCCGAGAGAAGGAAGAATGGATACGAATGGACTATTACCGGAGGCACAATCCTAAAAC
 AACCGAAGACTTTGAGCTCCTTTTCAATGCTCTAGAACTTTGGCGTCAAGAAGAAGTACACAAGTTGAG
 CAATATCAAGTGAAGCTGAAAGGAAAGCTGCTCTGTGCGAGCTTTTGGAAAAAGAGACGAGATAATTG
 CTTCCATCGGGAGACATAGATACGTTGCTCAGTTGGAGAGACAGGATGTAGCTACACAAGCTTTTCTGGA
 TAAGTGTTCAGCTTCAAATACCTGGAGAAGACCTGATGGACAAACCGTTGAAATGGACACACAGTTCACA
 ATAAGAGCCAGAGAGCTGCAAAGCATCTACAAGTGTATCCTGCTGAAAAACCTCTCTCAAGATGAGAGGC
 TGGATATACTCCTGACTGAAGCACACTGTGAAGGAACATGAGTGTAACTGACCCAAGAAATCCTAGA
 ATTGATTGACAGAGAAGTTGACCTTATGATGAGAGGAGTAAATCTCATAATCTCGAAGGACTCAGGAAA
 AGAATCACAACACTCTTTATTCACTATATCAAACTCCTCTGTTTAAACCAGAAGTCGCAAAACACCTTA
 AGGTCCCTCAAGACCCACTGAAGTTTTATGATAAGATTTACTTCTGCCACAGTTGCCAAATGATTTTGC
 TTCTGTGAGTTTTCCGTCTCACCCACCTCGCATCGTGTACCCTGCGGCACTGCATAAACCTGGAG
 AATGAGACTCAGAGGCGGGAATCATTTTTGAAATACAAGTGTACTTTCAGCGGCTACTTCTCAGAAG
 CCAATTATGAGGATAACTCCCACATTGCTTATCTAATGCAGCTTCAGGATATTAAGTACTTGACAGAGAA
 CATCTGGGCATCGCAGTCGGCCCTCAGCGCCTGGGATGACCTCAATGACCTGGTCATGGTCAGGTGGAAC
 AAACACGTGGAGTGGTCGCCCTGGAAGTGCATTCTGCTCACCAGGATGAAGGCACAGCTCATCTCAAGC
 TAGAGAGCATCGAGAAGGATATGGACGCCTTTTATTACAAGATCAAGCACAAACATATCTTGGCTAA
 AAACATTTTTTTCAGGTCCCAGTGTGGCTTCACTTATACTTAAGGATGATGAAATAGAAGCTATCAGA
 AGTAAATACTCCACAGAGAATCCTCCTAAAATCATAGTACCCATGGGATTGTACCTAAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001034130
Insert Size: 2373 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:	<ol style="list-style-type: none">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:	<u>NM_001034130.1</u> , <u>NP_001029302.1</u>
RefSeq Size:	3058 bp
RefSeq ORF:	2373 bp
Locus ID:	296936
UniProt ID:	<u>Q45GW3</u>
Cytogenetics:	4q22
Gene Summary:	May play roles in cilia formation and/or maintenance.[UniProtKB/Swiss-Prot Function]