OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC224115

Adcy5 (NM_001012765) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcy5 (NM_001012765) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adcy5
Synonyms:	Ac5; AW121902
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224115 representing NM_001012765 Red=Cloning site Blue=ORF Orange=Stop codon GCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGCGCCAGATCTC AAGCTTAACTAGCTAGCGGACCGAC ATGTCCGGCTCCAAAAGCGTGAGCCCCCCGGGCTACGCTGCACAGACAGCGGCGTCGCCAGCGCCCCGGG GAGGCCCGGAGCATCGCGCCGCTTGGGGAGAAGCCGATTCCCGCGCCAATGGCTACCCCCACGCCCCCGG GGGATCAACCCGCGGCTCCACCAAGAGATCTGGGGGAGCGGTGACCCCACAACAGCAGCAGCGCCTGGCC AGCCGTTGGCGCGGTGGCGATGACGACGAAGACCCTCCACTAAGCGGTGATGACCCTCTGGCTGGGGGCT TCGGCTTCAGCTTCCGCTCTAAGTCCGCCTGGCAGGAGCGCGGTGGCGACGACGGCGGTCGCGGCAGCAG GCGGCAGCGGCGGGGCGCGGCTGGAGGGGGCAGCACCCGGGCGCCCCCTGCGGGCGGCAGCGGCAGTTCG GCGGCGGCCGCAGCGGCCGCAGGTGGCACAGAGGTGCGCCCCCGCTCGGTGGAGCTGGGCCTGGAGGAGC GTCGAGGAAAAGGCCGAGCGGCCGAGGAGCTGGAGCCCGGGACTGGCATCGTCGAGGATGGAGACGGGTC GGAGGATGGAGGCAGTTCTGTGGCGTCAGGCTCTGGGACCGGCGCGGTGCTGTCGTTGGGCGCCTGCTGC CTGGCCTTGCTGCAGATATTCCGCTCTAAGAAGTTCCCGTCGGACAAACTGGAGCGTCTGTACCAGCGCT ACTTCTTCCGCCTGAACCAGAGCAGTCTCACCATGCTCATGGCCGTGCTGGTGCTTGTGTGCCTGGTCAT GCTGGCTTTCCACGCGGCGCGCCCCCCGCTCCAGATAGCCTACCTGGCCGTGTTGGCAGCTGCTGTGGGC GTGATCCTTATCATGGCCGTGCTCTGCAACCGTGCAGCGTTCCACCAGGACCACATGGGCCTGGCCTGCT ATGCGCTCATTGCAGTGGTGCTGGCCGTCCAGGTAGTGGGCCTGTTGCTGCCACAGCCACGCAGCGCCTC CGAGGGCATCTGGTGGACCGTGTTCTTCATCTATACCATCTACACCCTGCTGCCTGTGCGCATGAGGGCT GCGGTGCTCAGCGGGGTGCTTCTGTCGGCTCTCCACTTGGCCATCTCTCTGCACACCAACTCCCAGGACC AGTTTCTGCTGAAACAGCTTGTCTCCAATGTCCTCATCTTCTCCTGCACCAACATTGTGGGTGTGTGCAC TCACTACCCAGCTGAGGTCTCCCAGAGACAGGCCTTCCAGGAGACCCGGGAGTGTATCCAGGCTCGGCTC CATTCCCAGCGGGAGAACCAGCAACAGGAGCGTCTCCTGCTGTCTGTCCTTCCCCGTCATGTTGCCATGG AGATGAAAGCAGACATCAACGCCAAGCAGGAGGATATGATGTTCCACAAGATCTACATCCAGAAGCATGA CAATGTGAGCATCCTGTTTGCTGACATCGAGGGCTTCACCAGCCTGGCTTCCCAGTGTACTGCCCAAGAA CTGGTCATGACCCTCAATGAGCTCTTCGCCCGCTTTGACAAGTTGGCTGCGGAGAATCACTGTTTACGGA

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GTGCCGGGGTGTGGTCAAGGTCAAGGGCAAGGGTGAGATGATGACTTACTTCCTCAATGGAGGGCCTCCC
CTCAGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: RsrII-MluI

ACCN: NM_001012765

Insert Size: 3789 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_001012765.4, NP_001012783.3
RefSeq Size:	5060 bp
RefSeq ORF:	3789 bp
Locus ID:	224129
UniProt ID:	P84309
Cytogenetics:	16 B3
Gene Summary:	Catalyzes the formation of the signaling molecule cAMP in response to G-protein signaling. Mediates signaling downstream of ADRB1. Regulates the increase of free cytosolic Ca(2+) in response to increased blood glucose levels and contributes to the regulation of Ca(2+)-dependent insulin secretion.[UniProtKB/Swiss-Prot Function]