Human Calcium Regulation Primer Library

Catalog No: HCAR-1
Supplier: RealTimePrimers
Lot No: XXXXX
Supplied as: solid
Stability: store at -20°C

Description

Contains 88 primer sets directed against human calcium regulation related genes and 8 housekeeping gene primer sets. Provided in a 96-well microplate (20 ul - 10 uM). Perform up to 100 PCR arrays (based on 20 ul assay volume per reaction). Just add cDNA template and SYBR green master mix.

Gene List:

- ADCY1 adenylate cyclase 1
- ADCY2 adenylate cyclase 2
- ADCY3 adenylate cyclase 3
- ADCY4 adenylate cyclase 4
- ADCY5 adenylate cyclase 5
- ADRA1A adrenoceptor alpha 1A
- ADRA1B adrenoceptor alpha 1B
- ADRA1D In multiple Geneids
- ADRB1 adrenoceptor beta 1
- ADRB2 adrenoceptor beta 2, surface
- ADRB3 adrenoceptor beta 3
- ANXA6 annexin A6
- ATP1A4 ATPase, Na+/K+ transporting, alpha 4 polypeptide
- ATP1B1 ATPase, Na+/K+ transporting, beta 1 polypeptide
- ATP1B2 ATPase, Na+/K+ transporting, beta 2 polypeptide
- ATP1B3 ATPase, Na+/K+ transporting, beta 3 polypeptide
- ATP2A2 ATPase, Ca++ transporting, cardiac muscle, slow twitch 2
- ATP2A3 ATPase, Ca++ transporting, ubiquitous
- ATP2B1 ATPase, Ca++ transporting, plasma membrane 1
- ATP2B2 ATPase, Ca++ transporting, plasma membrane 2
- ATP2B3 ATPase, Ca++ transporting, plasma membrane 3
- CACNA1A calcium channel, voltage-dependent, P/Q type, alpha 1A subunit
- CACNA1B calcium channel, voltage-dependent, N type, alpha 1B subunit
- CACNA1C calcium channel, voltage-dependent, L type, alpha 1C subunit
- CACNA1D calcium channel, voltage-dependent, L type, alpha 1D subunit
- CACNA1E calcium channel, voltage-dependent, R type, alpha 1E subunit
- CACNA1S calcium channel, voltage-dependent, L type, alpha 1S subunit
- CACNB1 calcium channel, voltage-dependent, beta 1 subunit
- CACNB3 calcium channel, voltage-dependent, beta 3 subunit
- CALM1 calmodulin 1 (phosphorylase kinase, delta)
- CALM2 calmodulin 2 (phosphorylase kinase, delta)
- CALM3 calmodulin 3 (phosphorylase kinase, delta)
- CALR calreticulin
- CAMK2A calcium/calmodulin-dependent protein kinase II alpha
- CAMK2B calcium/calmodulin-dependent protein kinase II beta
- CASQ1 calsequestrin 1 (fast-twitch, skeletal muscle)
- CASQ2 calsequestrin 2 (cardiac muscle)
- CHRM1 cholinergic receptor, muscarinic 1
- CHRM2 cholinergic receptor, muscarinic 2
- CHRM3 cholinergic receptor, muscarinic 3
- CHRM4 cholinergic receptor, muscarinic 4
- CHRM5 cholinergic receptor, muscarinic 5
- FXYD2 FXYD domain-containing ion transport regulator 2
- GJA1 gap junction protein, alpha 1, 43kDa
- GJA3 gap junction protein, alpha 3, 46kDa
- GJA4 gap junction protein, alpha 4, 37kDa
- GJA5 gap junction protein, alpha 5, 40kDa
- GJB1 gap junction protein, beta 1, 32kDa
- GJB2 gap junction protein, beta 2, 26kDa
- GJB3 gap junction protein, beta 3, 31kDa
- GNA11 guanine nucleotide binding protein (G protein), alpha 11 (Gq class)
- GNAI1 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1

- GNAI2 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2
- GNAI3 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3
- GNAQ guanine nucleotide binding protein (G protein), q polypeptide
- GNAS GNAS complex locus
- GRK4 G protein-coupled receptor kinase 4
- GRK5 G protein-coupled receptor kinase 5
- GRK6 G protein-coupled receptor kinase 6
- ITPR1 inositol 1,4,5-trisphosphate receptor, type 1
- ITPR2 inositol 1,4,5-trisphosphate receptor, type 2
- KCNB1 potassium channel, voltage gated Shab related subfamily B, member 1
- KCNJ3 potassium channel, inwardly rectifying subfamily J, member 3
- KCNJ5 potassium channel, inwardly rectifying subfamily J, member 5
- PLCB3 phospholipase C, beta 3 (phosphatidylinositol- specific)
- PLN phospholamban
- PRKACA protein kinase, cAMP-dependent, catalytic, alpha
- PRKACB protein kinase, cAMP-dependent, catalytic, beta
- PRKAR1A protein kinase, cAMP-dependent, regulatory, type I, alpha
- PRKAR1B protein kinase, cAMP-dependent, regulatory, type I, beta
- PRKAR2A protein kinase, cAMP-dependent, regulatory, type II, alpha
- PRKAR2B protein kinase, cAMP-dependent, regulatory, type II, beta
- PRKCA Protein kinase C, alpha
- PRKCD protein kinase C, delta
- PRKCE protein kinase C, epsilon
- PRKCG protein kinase C, gamma
- RGS1 regulator of G-protein signaling 1
- RGS2 regulator of G-protein signaling 2
- RGS3 regulator of G-protein signaling 3
- RGS4 regulator of G-protein signaling 4
- RGS5 regulator of G-protein signaling 5
- RYR1 ryanodine receptor 1 (skeletal)
- RYR2 ryanodine receptor 2 (cardiac)
- RYR3 ryanodine receptor 3
- SLC8A1 solute carrier family 8 (sodium/calcium exchanger), member 1
- SLC8A3 solute carrier family 8 (sodium/calcium exchanger), member 3
- YWHAE tyrosine 3-monooxygenase/tryptophan 5- monooxygenase activation protein, epsilon
- YWHAZ tyrosine 3-monooxygenase/tryptophan 5- monooxygenase activation protein, zeta
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPDH Glyceraldehyde-3-phosphate dehydrogenase
- GUSB Glucuronidase, beta
- HPRT1 Hypoxanthine phosphoribosyltransferase 1
- Pgk1 Phosphoglycerate kinase 1
- PPIA Peptidylprolyl isomerase A
- RPL13A Ribosomal protein L13a

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.