

Human Hypertension PCR Array
Vasodilation: ACE, ACE2, ADM, ADRB1, AGTR1, AGTR2, CALCA, CPS1, EDNRB, EPHX2, GCH1, KCNJ8, KNG1, NOS3, NPPB, NPPC, NPR1, P2RX4, PDE5A.
Vasoconstriction: ACE, ACE2, ADM, ADRA1B, AGT, AGTR1, ALOX5, AVP, AVPR1A, BDKRB2, BMPR2, CACNA1C, CAV1, ECE1, EDN1, EDN2, EDNRA, EDNRB, NPPC, NPY1R, PTGS1, PTGS2, UTS2R.
Vasotone: AGTR1, DRD3, NOS3, NPPB, NPPC, REN.
Smooth Muscle Contraction: ACTA2, ADRA1B, ADRB1, BDKRB2, CACNA1C, CAV1, EDN1, EDN2, EDNRA, EDNRB, KCNMA1, KNG1, P2RX4, PTGS1, PTGS2, UTS2.
Smooth Muscle Relaxation: GUCY1A3, KCNMA1, P2RX4.
Myosin Light Chain Kinases: MYLK, MYLK2, MYLK3.
Blood Pressure Regulation: ACE, ACE2, ACTA2, AGT, AGTR2, AVP, AVPR1A, AVPR1B, BDKRB2, CACNA1C, CALCA, DRD3, DRD5, ECE1, EDN1, EDN2, EDNRB, EPHX2, GCH1, GUCY1A3, NOS3, NPPB, NPPC, NPR1, NPY1R, P2RX4, PTGS1, PTGS2, REN, UTS2, UTS2R.
Renin-Angiotensin System: ACE, ACE2, AGT, AGTR1, ECE1, REN.
Nitric Oxide Signaling: AGT, AGTR2, GUCY1A3, GUCY1B3, NOSIP, NOSTRIN.
Nitric Oxide Metabolism: AGTR2, ARG2, CAV1, CPS1, EDN1, GCH1, GCHFR, HIF1A, NOS3, P2RX4.
Cyclic-GMP Synthesis & Signaling: ADRA1D, GUCY1B3, PDE3B, PRKG1, PRKG2, PTGIR, S1PR1.
Osmotic Shock: AGT, AVP, AVPR1B, BDKRB2, KCNMA1.
Hypoxia Response: ACE, ADM, CAV1, ECE1, EDN1, EDNRA, HIF1A, KCNMA1, NOS3, NPPC, PDE5A.
Second-Messenger-Mediated Signaling: ADRA1D, PDE3B, PTGIR, S1PR1, SPHK1.
Ion Transport: ATP2C1, ATP6AP2, BDKRB1, CHRNA1, CHRNA1, CLIC1, CLIC4, CLIC5, CNGA1, CNGA2, CNGA3, CNGA4, CNGB1, CNGB3, ITPR1, ITPR2, PLCG2, SCNN1A, SCNN1B, SCNN1G, SLC7A1.
Lipid Metabolism: PDE3A, PDE3B, PLCG1, PLCG2, SPHK1, SPHK2.