Docket #: S12-334

Mouse Strain C57BL/6J-Tg (ACTB-DDAH1) - Jackson Labs, Stock Number: 005863

Hemizygous mice are viable and fertile with no anatomic abnormalities. Transgene expression is observed in aorta, heart, and brain. Transgenicdimethylarginine dimethylaminohydrolase (DDAH) activity is reflected in a reduction of plasma asymmetric dimethylarginine (ADMA). Nitric oxide synthase (NOS) activity is significantly increased in trnasgenic skeletal and cardiac muscle. Transgenic mice have lower blood pressure and higher heart rate. Transgenic mice may be useful in studies of atherosclearosis, hypertension, hyperlipidemia, hypercholesterolemia, hyperhomocystinemia, diabetes mellitus, stroke, renal failure, preeclampsia, and other conditions associated with vascular pathophysiology and/or cardiovascular disease.

Jackson Labs Stock Number: 005863
(For-profit companies will need a license from Stanford prior to receiving the mice from Jackson Labs)

Innovators

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