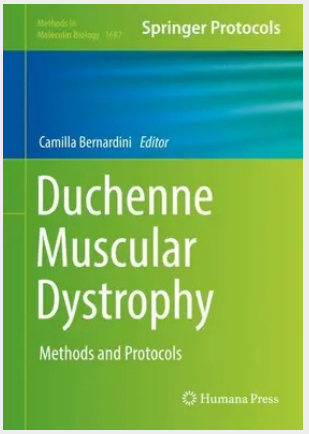
Bernardini

Duchenne Muscular Dystrophy

Methods and Protocols



This volume explores experimental approaches used to study Duchenne muscular dystrophy (DMD), an X-linked degenerative skeletal muscle disease caused by mutations in the dystrophin gene. Including the latest progress and scientific achievements, the book covers recent discoveries achieved through in vivo gene editing which have proven to be promising in restoring dystrophin expression, at least in ameliorating skeletal muscle symptoms, and the contents focus on “Omics” techniques in gene expression, protein expression, miRNAs, and long non-coding RNA analysis, as well as experimental studies of the structural/functional changes affecting the skeletal and cardiac muscles and ongoing preclinical studies and clinical trials. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshootingand avoiding known pitfalls.
Authoritative and practical, *Duchenne Muscular Dystrophy: Methods and Protocols* serves as a guide for researchers exploring the complicated nature of dystrophin in the hope of helping the victims of this disorder.

This volume explores experimental approaches used to study Duchenne muscular dystrophy (DMD), an X-linked degenerative skeletal muscle disease caused by mutations in the dystrophin gene. Including the latest progress and scientific achievements, the book covers recent discoveries achieved through in vivo gene editing which have proven to be promising in restoring dystrophin expression, at least in ameliorating skeletal muscle symptoms, and the contents focus on "Omics" techniques in gene expression, protein expression, miRNAs, and long non-coding RNA analysis, as well as experimental studies of the structural/functional changes affecting the skeletal and cardiac muscles and ongoing preclinical studies and clinical trials. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshootingand avoiding known pitfalls. Authoritative and practical, Duchenne Muscular Dystrophy: Methods and Protocols serves as a guide for researchers exploring the complicated nature of dystrophin in the hope of helping the victims of this disorder.

160,49 €
149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781493973736
Medium: Buch
ISBN: 978-1-4939-7373-6
Verlag: Humana
Erscheinungstermin: 25.10.2017
Sprache(n): Englisch
Auflage: 1. Auflage 2018
Serie: Methods in Molecular Biology
Produktform: Gebunden
Gewicht: 7099 g
Seiten: 287
Format (B x H): 183 x 260 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)