Mouse Des Knockdown Cell Lysate

Cat. No. Des-012MKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DES Knockdown C2C12 Cell Lysate
Species	Mouse
Source	C2C12
Description	This gene encodes a muscle-specific class III intermediate filament. Homopolymers of this protein form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane and are essential for maintaining the strength and integrity of skeletal, cardiac and smooth muscle fibers. Mutations in this gene affect assembly of intermediate filaments. Mice lacking this gene are able to develop and reproduce but exhibit abnormal muscle fibers. Mutations in the human gene are associated with myofibrillar myopathy, dilated cardiomyopathy, neurogenic scapuloperoneal syndrome and autosomal recessive limb-girdle muscular dystrophy, type 2R.
Form	Cell-Tissue Lysis buffer
Molecular Mass	54 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type C2C12 cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT C2C12 cell lysate 1 vial of 100 µg DES KD C2C12 cell lysate
Protein Families	Druggable Genome
Protein Pathways	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	Des desmin [Mus musculus (house mouse)]
Official Symbol	Des
Synonyms	DES; desmin;
Gene ID	13346
mRNA Refseq	NM_010043
Protein Refseq	NP_034173
UniProt ID	P31001

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA