



DES peptide (DAG-P1505)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. Mutations in this gene are associated with desmin-related myopathy, a familial cardiac and skeletal myopathy (CSM), and with distal myopathies. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the intermediate filament family.
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	DES desmin [Homo sapiens (human)]
Official Symbol	DES
Synonyms	DES; desmin; CSM1; CSM2; LGMD2R; mutant desmin p.K241E; intermediate filament protein;
Entrez Gene ID	1674
mRNA Refseq	NM_001927.3
Protein Refseq	NP_001918.3
UniProt ID	P17661

Chromosome Location	2q35
Pathway	Arrhythmogenic right ventricular cardiomyopathy, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Aurora B signaling, organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem; Hypertrophic cardiomyopathy (HCM), organism-specific biosystem; Hypertrophic cardiomyopathy (HCM), conserved bios
Function	cytoskeletal protein binding; identical protein binding; protein binding; structural constituent of cytoskeleton;