

# Recombinant Full Length Human DES Protein, GST-tagged

Cat. No. DES-2476HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human DES full-length ORF (AAH32116.1, 1 a.a. - 470 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	470 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	79.9 kDa
<b>AA Sequence</b>	MSQAYSSSQRVSSYRRFTGGAPGFPLGSPLSSPVFPRAGFGSKGSSSSVTSRVYQ VSRTSGGAGGLGSLRASRLGTTTRTPSSYGAGELLDFSLADAVNQEFLLTTRTNEKVE LQELNDRFANYIEKVRFLFLEQQNAALAAEVNRLKGREPTRVAELYEEELRELRRQVEV LTNQRARVDVERDNLDDLLQRLKAKLQEEIQLKEEAENNLAAFRADVDAATLARIDLE RRIESLNEEIAFLKKVHEEEIRELQAQLQEQQVQVEMDMSKPDLTAAALRDIRAQYETI AAKNISEAEWYKSKVSDLTQAANKNNDALRQAKQEMMEYRHQIQSYTCEIDALKG TNDSLMRQMRELEDRFASEASGYQDNARLEEEIRHLKDEMARHLREYQDLLNVKM ALDVEIATYRKLLLEGEE SRINLP IQTYSALNFRETSPEQRGSEVHTKKTVMIKTIETRD

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GEVVSEATQQQHEVL

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**GENE INFORMATION**

**Gene Name**

DES desmin [ Homo sapiens ]

**Official Symbol**

DES

**Synonyms**

DES; desmin; CMD11; CSM1; CSM2; intermediate filament protein; FLJ12025; FLJ39719; FLJ41013; FLJ41793;

**Gene ID**

1674

**mRNA Refseq**

NM\_001927

**Protein Refseq**

NP\_001918

**MIM**

125660

**UniProt ID**

P17661

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