

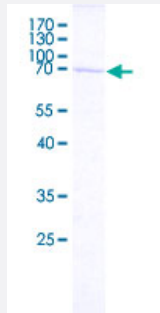
Full-Length

DES (Human) Recombinant Protein (P01)

Catalog # H00001674-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DES full-length ORF (AAH32116.1, 1 a.a. - 470 a.a.) recombinant protein with GST tag at N-terminal.

Sequence

MSQAYSSSQRVSSYRRTFGGAPGFPLGSPLSSPVFPRAFGSKGSSSSSVTSRVYQVSRTSGGA
GGLGSLRASRLGTTTRTPSSYGAGELLDFSLADAVNQEFLLTRTNEKVELQELNDRFANYIEKVRFL
EQQNAALAAEVNRLKGREPTRVAELYEEELRELRRQVEVL TNQRRARVDVERDNLLDDLQRLKAK
LQEEIQLKEEAENNLAAFRADVDAATLARIDLERRIESLNEEIAFLKKVHEEEIRELQAQLQEQVQ
VEMDMSKPDLTAAALRDIRAQYETIAAKNISEAEWYKSKVSDLTQAANKNNDALRQAKQEMMEYR
HQISYTCIDALKGTNDSLMRQMRELEDRFASEASGYQDNARLEEEIRHLKDEMARHLREYQDL
LNVKMALDVEIATYRKLLGEESRINLPQTYSALNFRETSPEQRGSEVHTKKTVMIKTIETRDGEVV
SEATQQQHEVL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.9

Interspecies Antigen Sequence

Mouse (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DES

Entrez GeneID	1674
GeneBank Accession#	BC032116.2
Protein Accession#	AAH32116.1
Gene Name	DES
Gene Alias	CMD1I, CSM1, CSM2, FLJ12025, FLJ39719, FLJ41013, FLJ41793
Gene Description	desmin
Omim ID	125660 601419 604765
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000064865 intermediate filament protein

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)