

Desmin Recombinant Protein | DES recombinant protein

Recombinant Human Desmin

CATALOG # AAA38508	HOST E Coli
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PRODUCT SYNONYMS

Desmin; Recombinant Human Desmin; Desmin Human; Desmin Human Recombinant; DES; CSM1; CSM2; CMD1I; FLJ12025; FLJ39719; FLJ41013; FLJ41793; DES recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	Desmin was lyophilized from a 1mg/ml solution containing 30mM Tris-HCl pH 8, 9.5M urea, 2mM DTT, 2mM EDTA and 10mM methylammonium chloride. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence Length	470
Reconstitution	Filaments: After Desmin is dissolved in 9.5M urea buffer (see formulation), protofilaments and filament complexes are obtained by dialyzing the resulting polypeptide solution stepwise to a concentration of 4M urea and then to low salt condition (50mM NaCl, 2mM dithiothreitol, 10mM Tris-HCl, pH 7.4). For immunization purposes, the solution can be further dialyzed against PBS (phosphate buffered saline, e.g. Dulbecco's PBS).
Solubility	It is recommended to reconstitute the lyophilized Desmin in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Reconstitution to Filaments	After Desmin is dissolved in 9.5M urea buffer (see formulation), protofilaments and filament complexes are obtained by dialyzing the resulting polypeptide solution stepwise to a concentration of 4M urea and then to low salt condition (50mM NaCl, 2mM dithiothreitol, 10mM Tris-HCl, pH 7.4). For immunization purposes, the solution can be further dialyzed against PBS (phosphate buffered saline, e.g. Dulbecco's PBS).
Preparation and Storage	Store the lyophilized Desmin between 2-8°C, do not freeze. Upon reconstitution Desmin should be stored at -20°C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for DES recombinant protein	Desmin Human Recombinant having a calculated molecular mass of 53,539 Dalton, showing a 55kDa band on SDS-page, pI-5.16.
Product Categories/Family for DES recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	55749932
NCBI GeneID	1674
NCBI Accession #	NP_001918.3
NCBI GenBank Nucleotide #	NM_001927.3
UniProt Accession #	P17661 ; Q15787 ; Q549R7 ; Q549R8 ; Q549R9 ; Q8IZR1 ; Q8IZR6 ; Q8NES2 ; Q8NEU6 ; Q8TAC4 ; Q8TCX2 ; Q8TD99

NCBI Official Full Name	desmin
NCBI Official Synonym Full Names	desmin
NCBI Official Symbol	DES
NCBI Official Synonym Symbols	CSM1; CSM2; LGMD2R
NCBI Protein Information	desmin; intermediate filament protein; mutant desmin p.K241E
UniProt Protein Name	Desmin
UniProt Gene Name	DES
UniProt Entry Name	DESM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/des-recombinant-protein-e-coli/38508>