

## 32-8090: Recombinant Human Desmin (N-6His)

**Gene :** DES  
**Gene ID :** 1674  
**Uniprot ID :** P17661

### Description

Source: E.coli.  
MW :26.7kD.

Recombinant Human Desmin is produced by our E.coli expression system and the target gene encoding Val260-Leu470 is expressed with a 6His tag at the N-terminus. Desmin is a cytoplasmic protein and belongs to the intermediate filament family. interacts with DST and MTM1. Desmin is only expressed in vertebrates, however homologous proteins are found in many organisms. Desmin is the main intermediate filament in mature skeletal, cardiac and smooth-muscle cells. DES functions as homopolymers to form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Defects in DES are cause of the myopathy myofibrillar type 1, cardiomyopathy dilated type 1I, and neurogenic scapuloperoneal syndrome Kaeser type.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMVEVDMSKPDLTAAALRDIRAQYETIAAKNISEAEWYKSKVSDLTQAANKNN DALRQAKQEMMEYRHQIQSYTCEIDALKGTNDSLMRQMRELEDRFASEASGYQDNARLEEEIRHLKDEMARH LREYQDLLNVKMALDVEIATYRKLEGEESRINLPIQTYALSALNFRETSPEQRGSEVHTKKTVMIKTIETRDGEVVS EATQQQHEVL

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.