Recombinant Human Desmin Protein (His Tag)

Catalog Number: PKSH032351

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

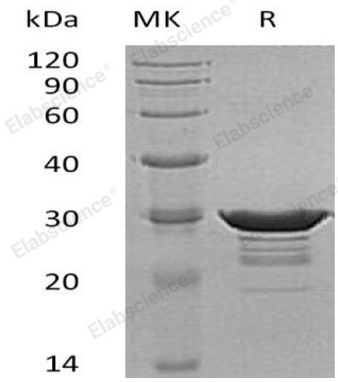
Description

Species	Human
Source	E.coli-derived Human Desmin protein Val261-Leu470, with an N-terminal His
Calculated MW	26.7 kDa
Observed MW	30 kDa
Accession	P17661
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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 founctions 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.

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